

SONY

VIDEOCASSETTE RECORDER

BVW-75P

BETACAM SP

MAINTENANCE MANUAL

Serial No. 11716 and Higher

EBU N-10 LEVEL

MADE IN JAPAN

SECTION 16

SCHEMATIC DIAGRAM

CIRCUIT CONFIGURATION

The circuit information is provided below.

System	Board	Circuit function
VIDEO	DEC-39 *1	Y/C Separator
	DEC-46P *2	Y/C Separator
	DEC-42P	C Decoder, C Compressor, Y Selector
	CF-36P	Color Framing Detector
	DUS-273	R-Y Clamp Level Adj.
	MD-46P	Y/C Modulator
	DUS-272PY	Y Non-Linear Preemphasis
	DUS-272PC	C Non-Linear Preemphasis
	RP-29P(Y)	Y REC/PB Amplifier
	RP-29P(C)	C REC/PB Amplifier
	DM-56P	Y/C Demodulator
	DUS-259	Metal/Oxide LPF Switch
	DUS-269	C RF Phase EQ.
	DUS-288 *3	
	EQ-26 *3	RF EQ.
	EQ-28 *3	RF EQ.
	TBC-7P *4	Time Base Corrector
	TBC-7D *5	Time Base Corrector
	TBC-8P *4	Time Base Corrector
	NR-25 *4	Y Digital Noise Reduction
	TBC-12P*5	Time Base Corrector
	NR-32 *5	Y Digital Noise Reduction, Read Lock Generator
	TBC-9P	Time Base Corrector

System	Board	Circuit function
VIDEO	EN-48P	C Encoder
	VO-18P	Video Output
	DUS-270	Squelch Buffer
	RE-34	Rotary Erase
	CP-103P	Sub Control Panel
	CP-101P	Video/Audio Input
AUDIO	BF-28	Audio Buffer/Level Detector
	VR-42	Audio REC/PB Volume
	AU-75P	LNG Audio REC/PB Amplifier
	AU-76P	LNG Audio Head Amplifier, Bias Oscillator
	AFM-1	AFM Audio Modulator/Demodulator
	FL-61	Low-Pass Filter
	CP-111	Audio Output Amplifier/Driver
	CP-113	Audio Balanced Amplifier
	HP-33	Headphones Amplifier/Jack
	VR-62	Headphones Level Volume
	DP-74	Audio Level Meter
	DP-73	DC-AC/DC Converter
	SW-144	Select Switch/Display
	DP-72	Video/RF Meter LED
	VR-61	Video/Tracking Control Volume

System	Board	Circuit function
SERVO	SV-82	Microcomputer Servo
	SV-83	Reel Servo
	SV-84P	Capstan/Drum Servo
	RE-28	Capstan/Drum Motor Driver
	PTC-20	Cassette Detector (Tape Thickness, Reel Hub Diameter, Metal/Oxide)
	PTC-36	Cassette Detector (Tape Thickness, Reel Hub Diameter, Metal/Oxide)
	PTC-21	Reel Table Position Detector
	PTC-23	REC Inhibit Detector
	DR-56	Capstan/Reel Motor Driver & Drum Error Amplifier
	RE-36	Reel Motor Driver
	RM-40	Reel Motor
	DE-15	Reel Motor FG
	SE-57	Threading Motor Control
	PTC-31	Threading Motor FG
	TR-18	Tape Tension Sensor
	DT-13	Dynamic Tracking
	DT-14P	Dynamic Tracking
	DUS-282	Strain Gage Buffer
	DT-15	Dynamic Tracking

System	Board	Circuit function
SYSTEM CONTROL	SY-61	System Control
	SY-64P	Time Code Reader/Generator
	RM-57	Remote Connector
	PD-35	Pinch/Cleaning Solenoid
	PTC-15	Thread/Unthread End Sensor
	CL-14	Cassette-up Compartment
	PC-47	Large/Small Cassette Detector
	PC-33	Cassette Down Detector
	PC-41	Cassette In Detector
	CCM-2	UP/DOWN Motor
	HC-11	Hours Meter
	KY-96	Keyboard
	KY-107	Keyboard
	KY-108	Keyboard
	DP-71	Time Counter Display
	PTC-32	Search Dial
OTHERS	PT-9	Power Transistor
	TC-40P	LTC REC/PB Amplifier, Erase Driver
	AC-96	Relay Board of AC Inlet
	M1	Switching Regulator
	M2	Switching Regulator
	C1	Switching Regulator
	C2	Switching Regulator
	MB-191	Mother Board
	MB-192	Mother Board
	EX-116	Extension Board
	EX-134	Extension Board
	EX-151	Extension Board

NOTE

In the schematic diagrams, the following marks are described nearby reference number. These are parts data at factory.

CAPACITOR (C)

AL	—	ELECTROLYTIC
AS	—	
TA	—	TANTALUM
CA	—	CERAMIC
CC	—	
CCS	—	
CM	—	
CS	—	
MPS	—	MAYLAR
PP	—	
PS	—	
PT	—	
MD	—	DIPPED MICA
MS	—	MICA

RESISTOR (R)

VARIABLE RESISTOR (RV)

RC	—	CARBON
RD	—	
RF	—	FUSE
RN	—	METAL
RS	—	
RW	—	WIREWOUND

*1...Serial No. up to 11927

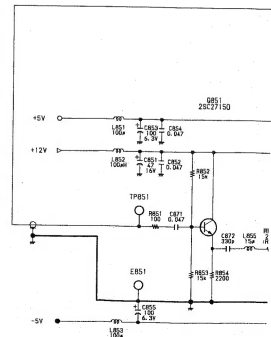
*2...Serial No. 11928 and higher

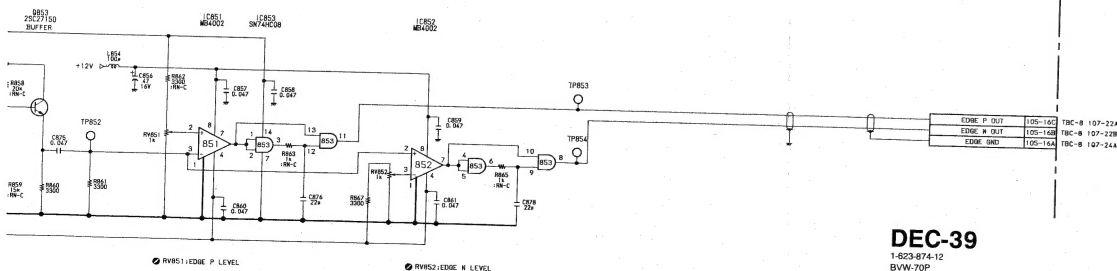
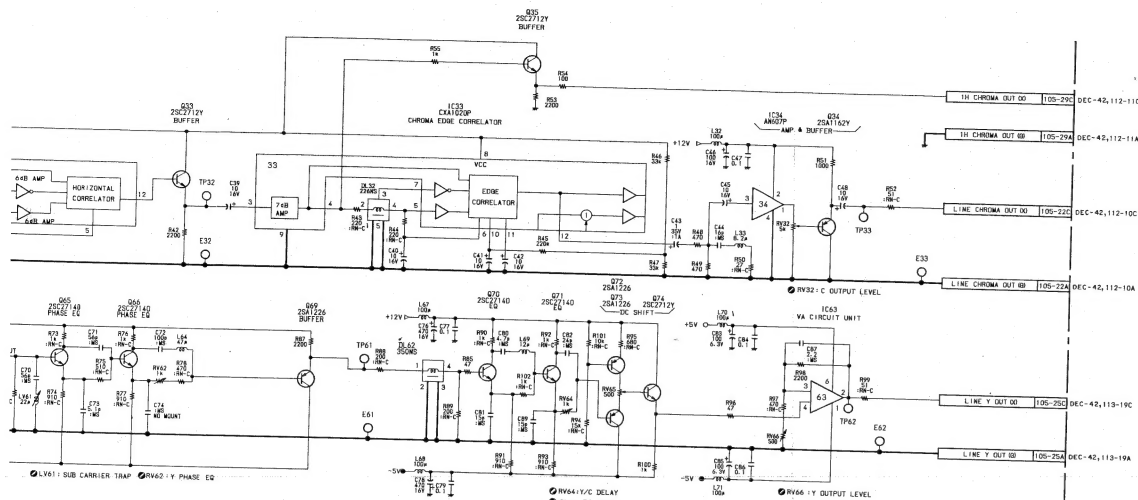
*3...Serial No. 11958 and higher

*4...Serial No. up to 12547

*5...Serial No. 12548 and higher

S/N up to 11927



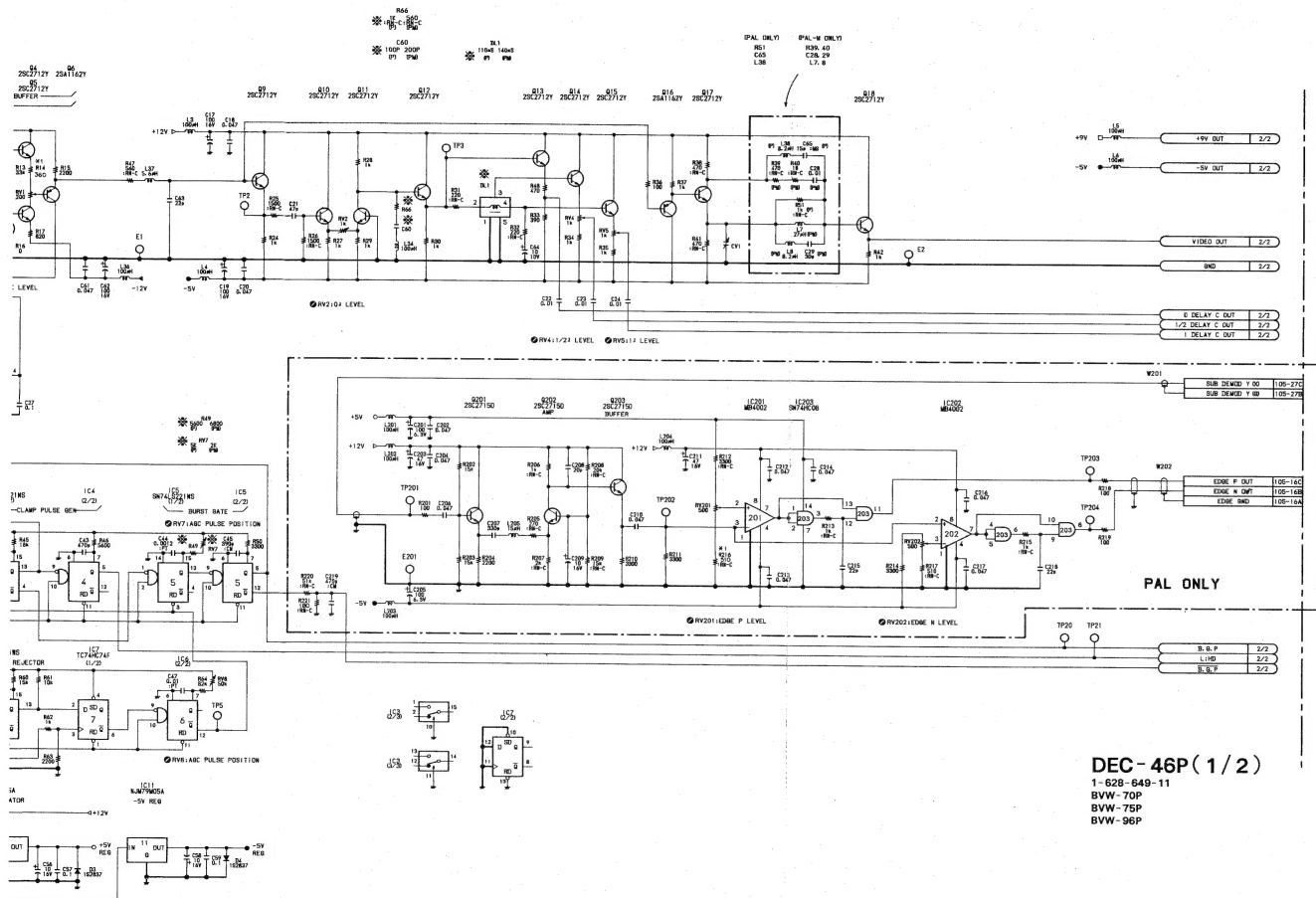


DEC-39

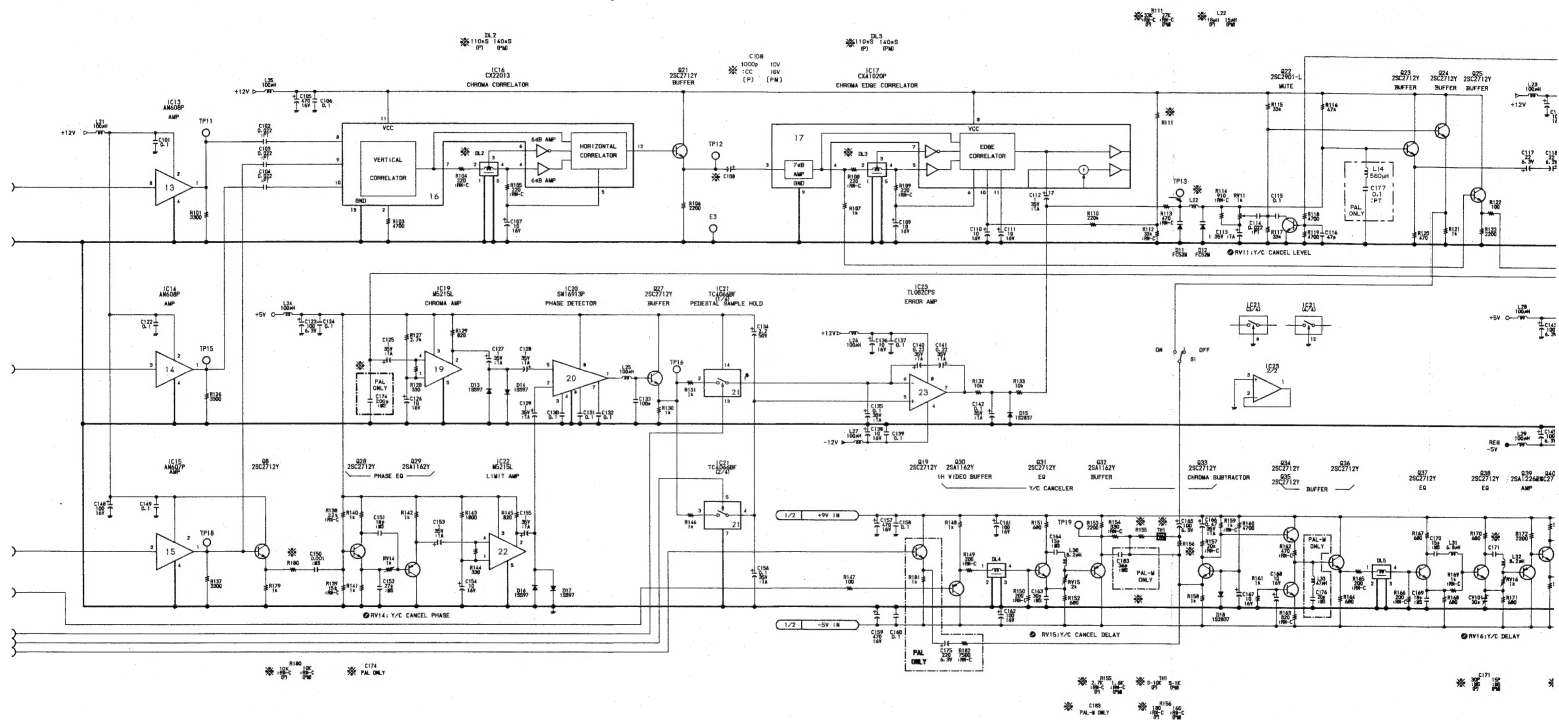
1-803-974-12
BVW-70P
BVW-75P
BVW-96P

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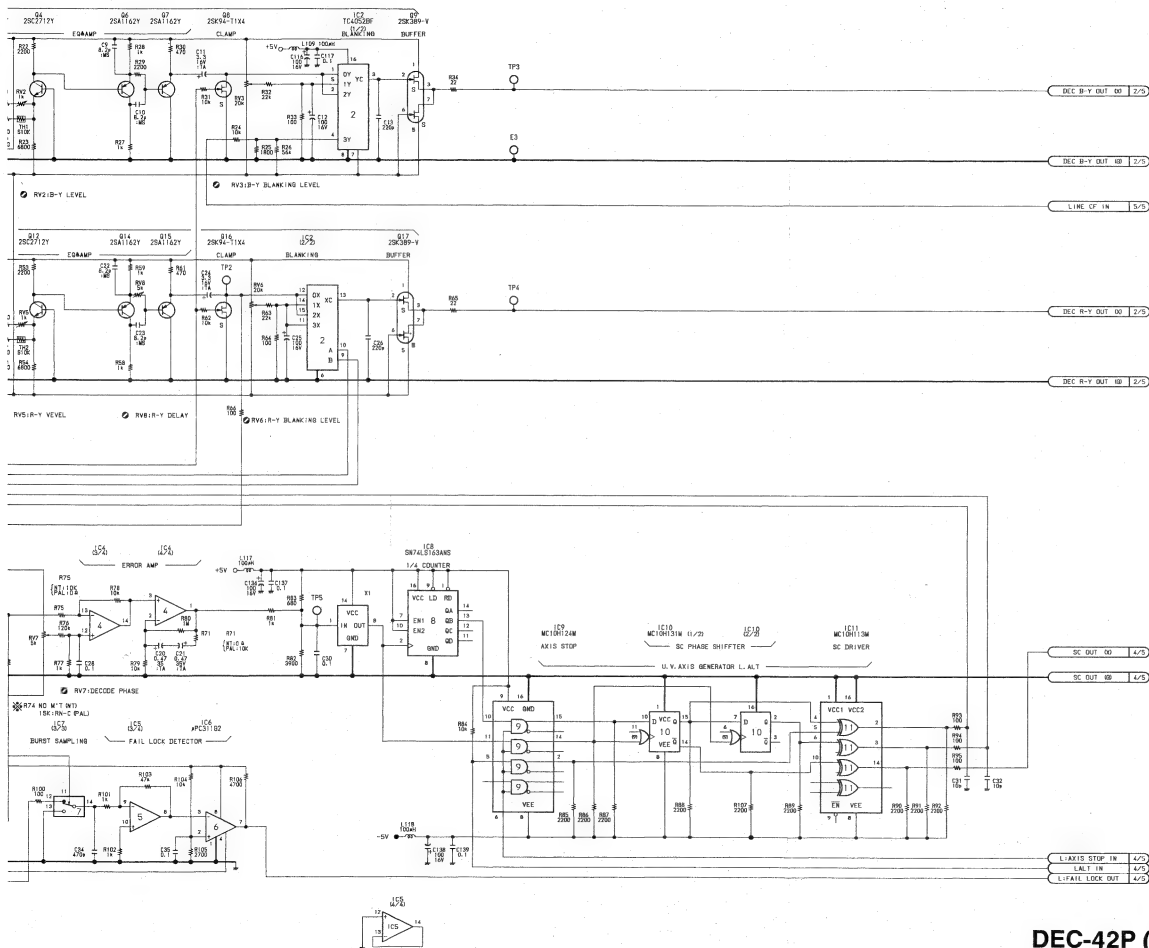
DEC-46P (1/2) DEC-46P (1/2)



S/N 11928 and higher

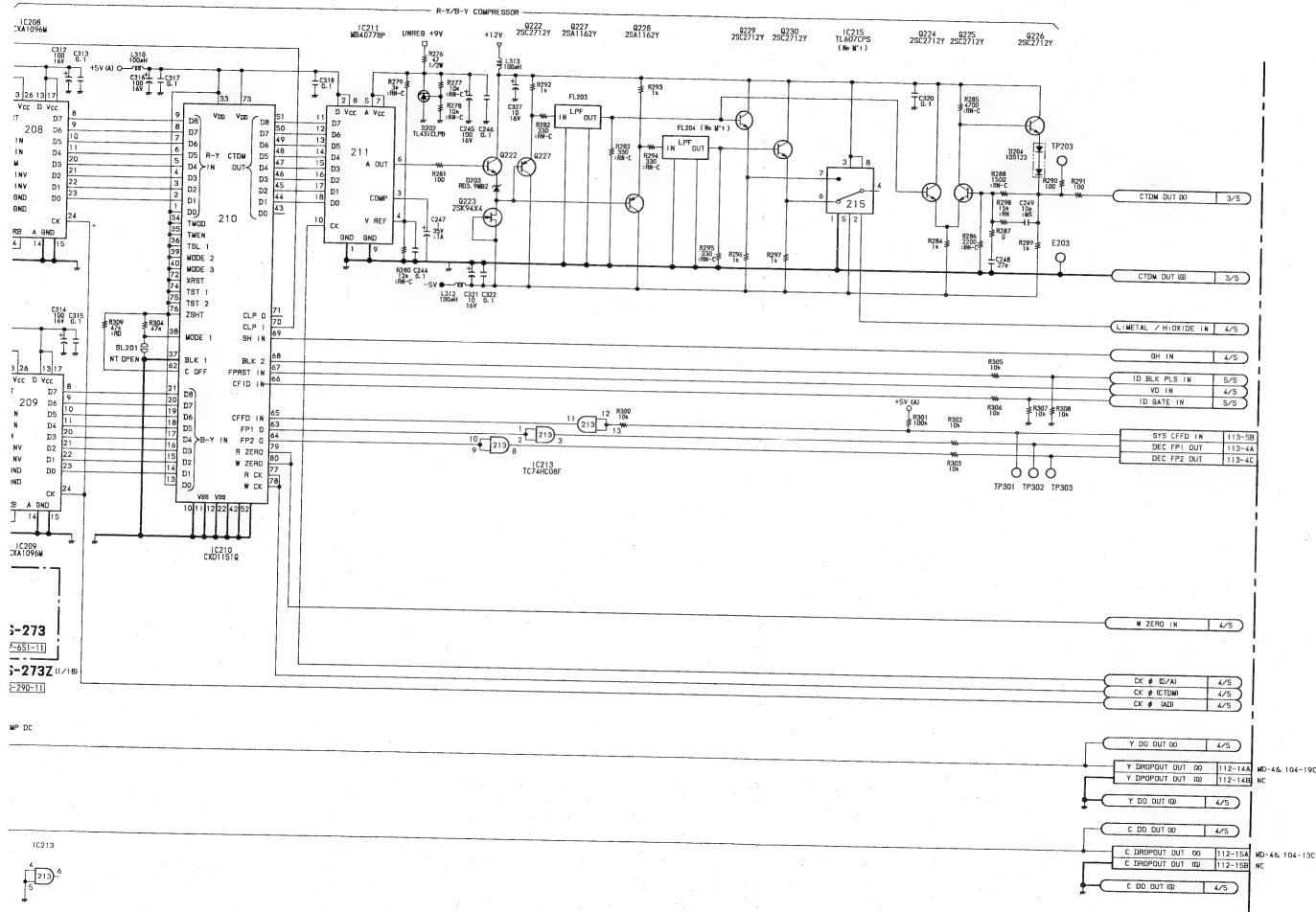




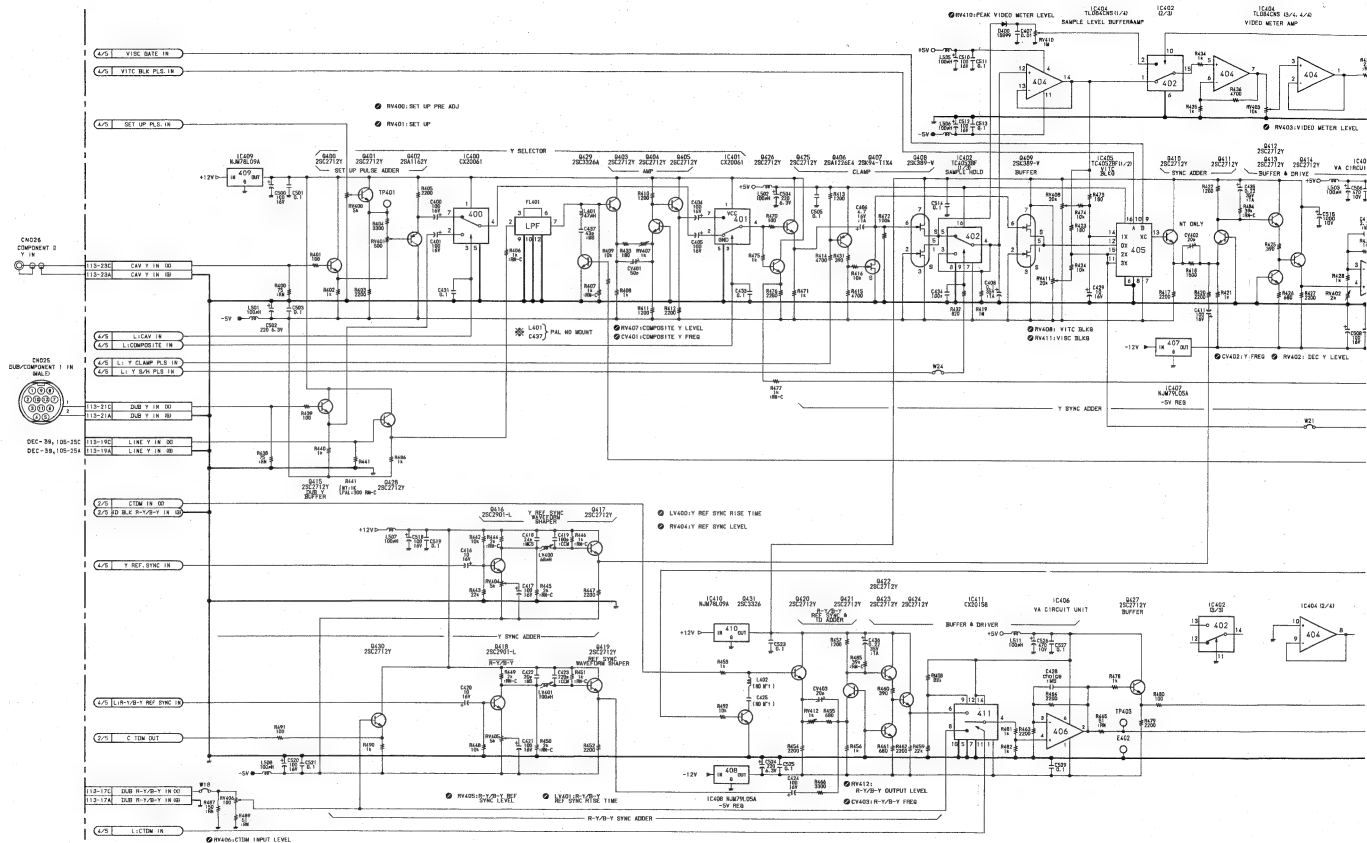


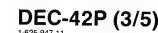
DEC-42P (1/5)

1-625-947-11
BVW-70P
BVW-75P
BVW-96P

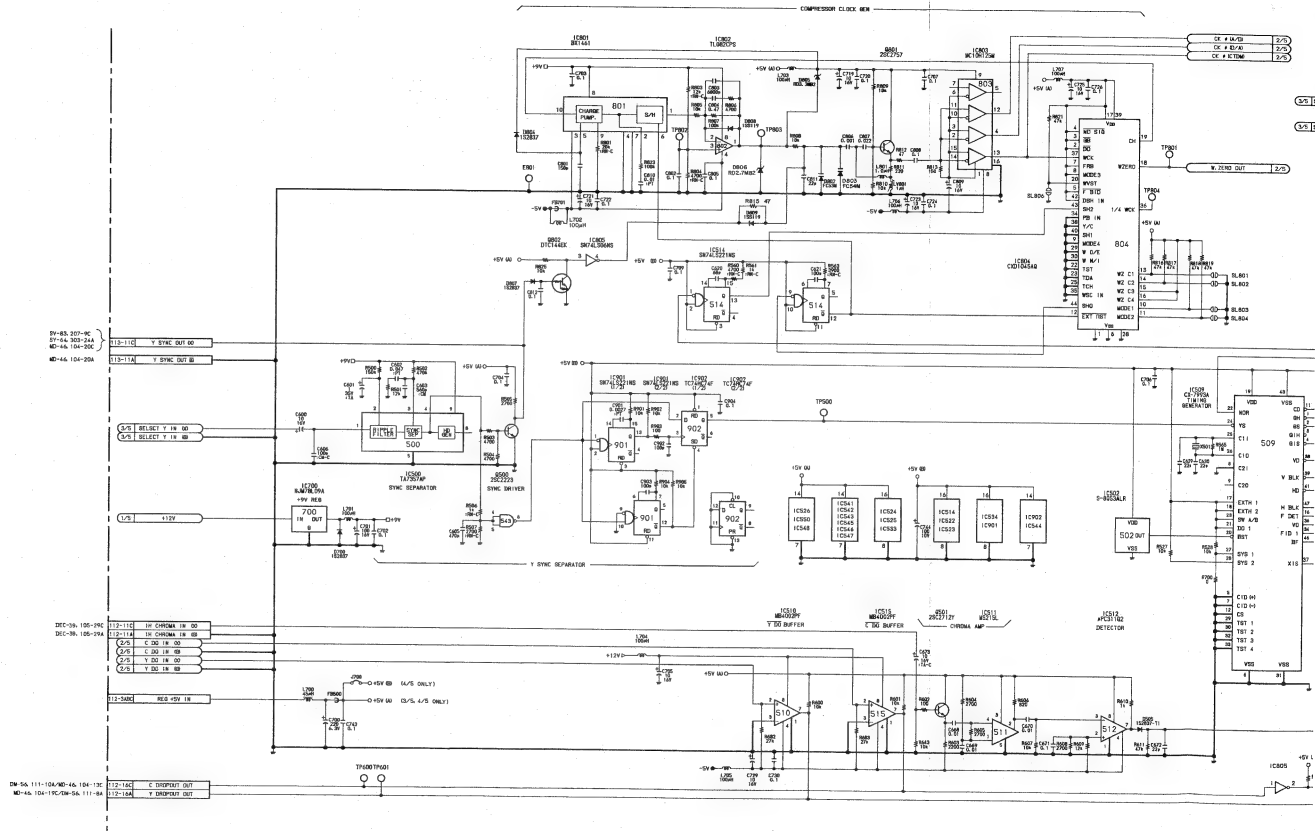


16-28 16-29



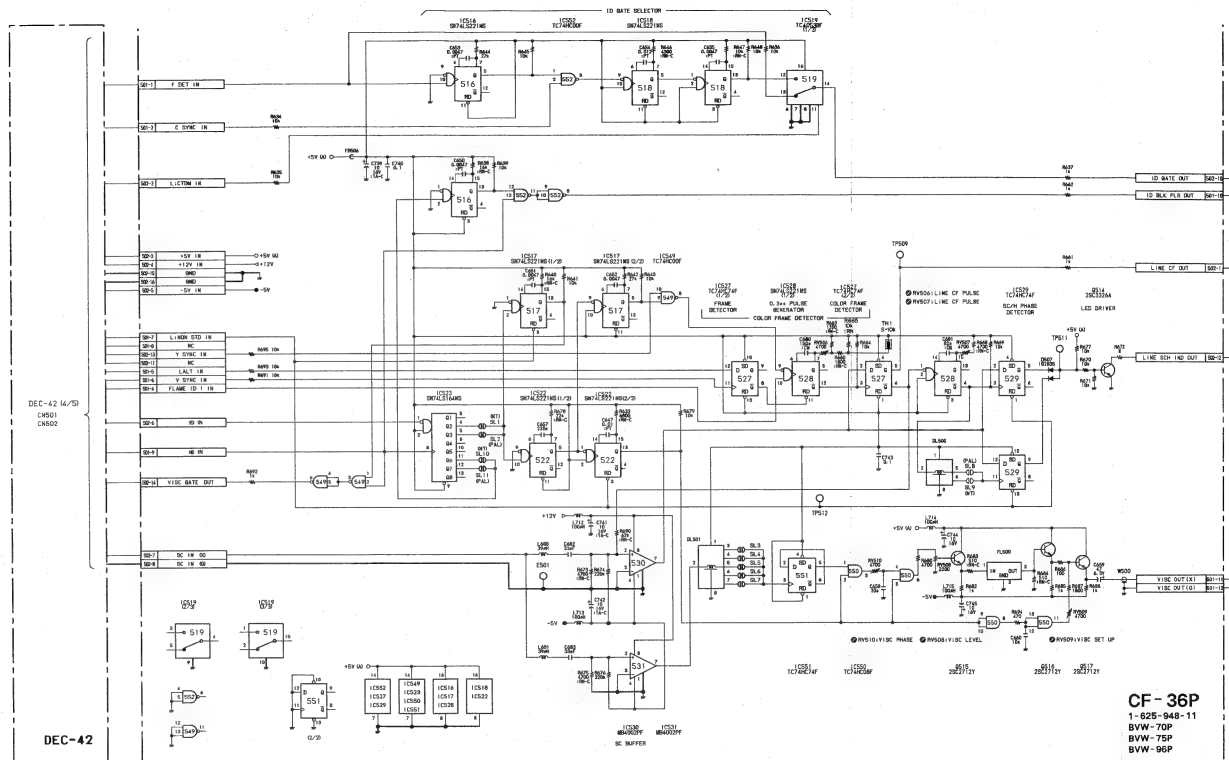


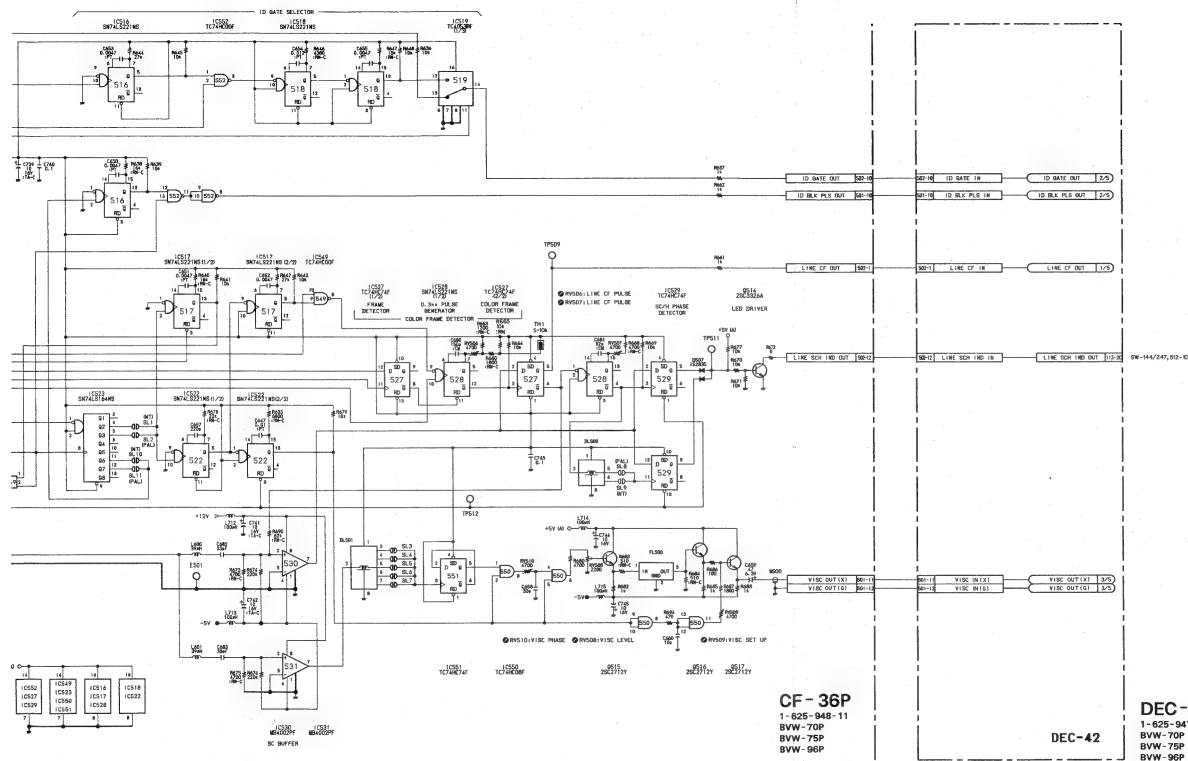
DEC-42P (4/5); TIMING GENERATOR





DEC-42P (5/5); COLOR FRAME DETECTOR
CF-36P; COLOR FRAME DETECTOR





CF-36P

1-625-948-11
BVW-70P
BVW-75P
BVW-96P

DEC-42

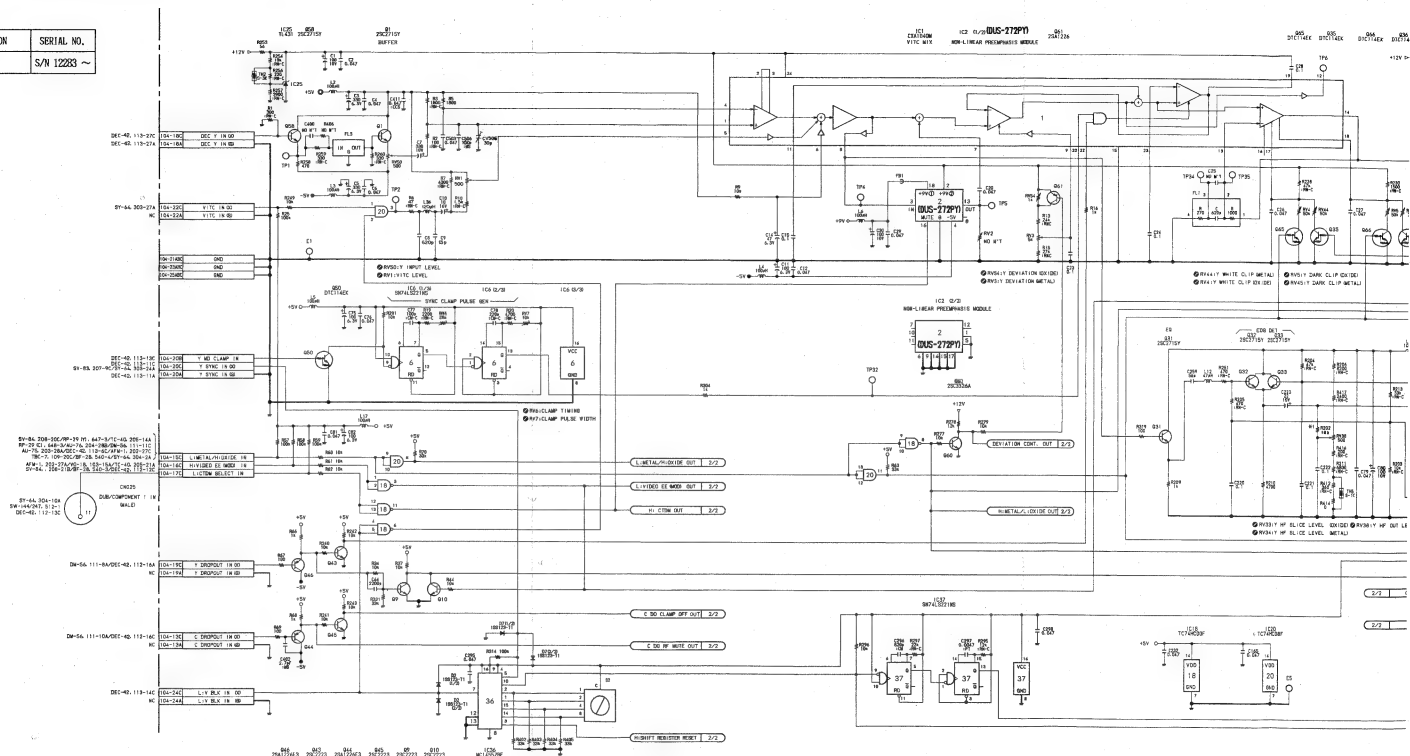
DEC-42P (5/5)

1-625-947-11
BVW-70P
BVW-75P
BVW-96P

D-46P (1/2); Y MODULATOR DUS-272PY; Y NON-LINEAR PREEMPHASIS

NOTE

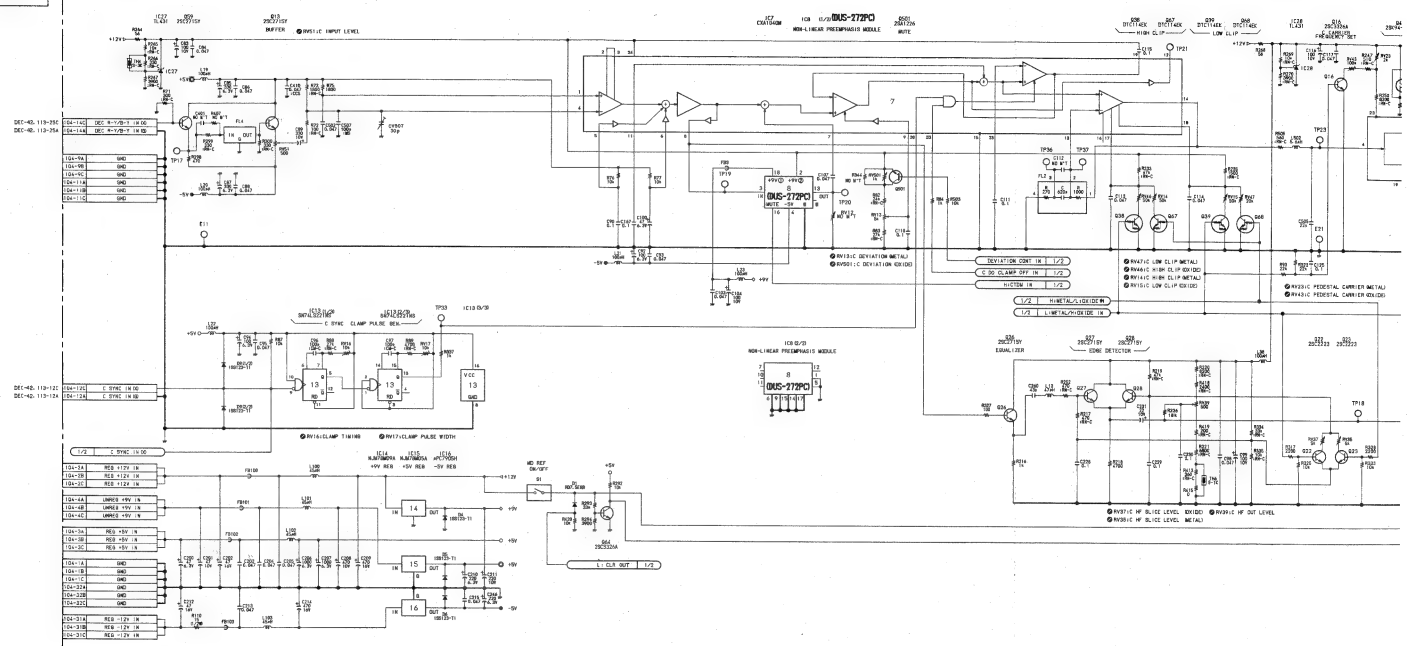
MARK	CHANGE INFORMATION	SERIAL NO.
*1	R202 10K → 10K	S/N 12283 ~



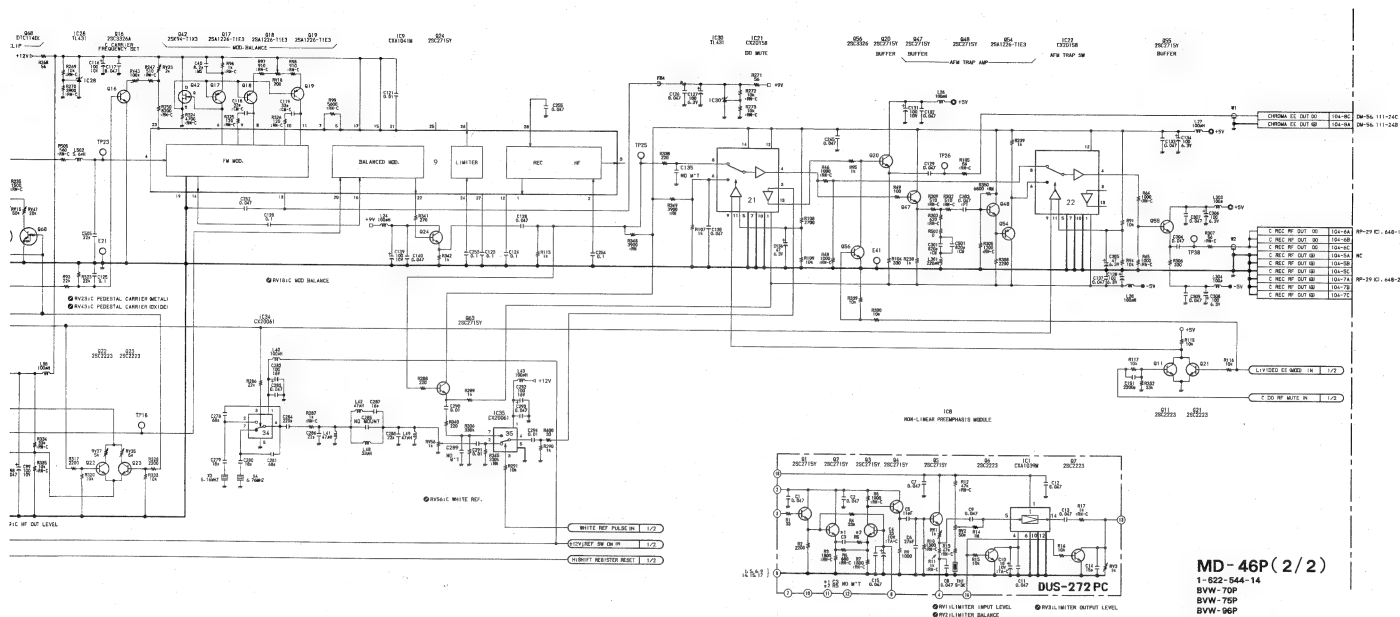


-4 6P (2/2) ; C MODULATOR
 JS-272PC ; C NON-LINEAR PREEMPHASIS

CHANGE INFORMATION	SERIAL NO.
K236 10k → 18k	S/N 12283 ~



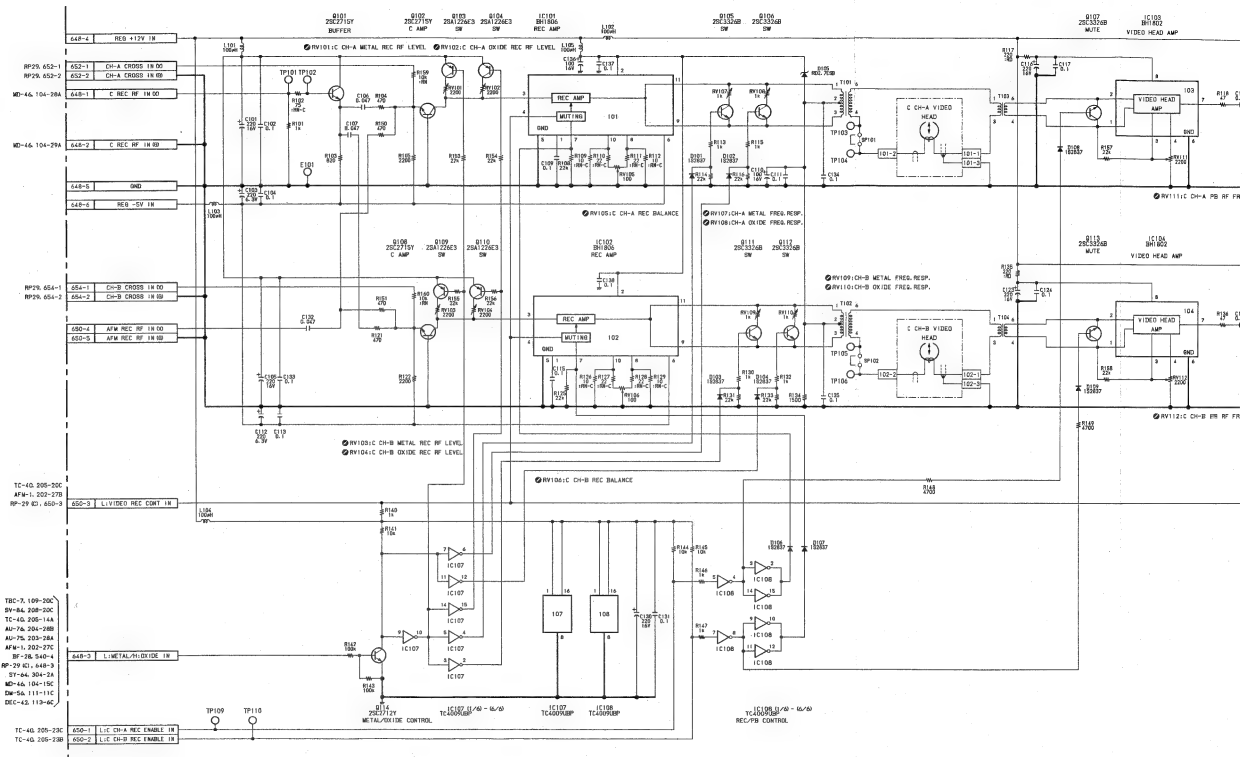
MD-46P(2/2)
1-622-544-14
BVW-70P
BVW-75P
BVW-96P

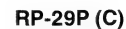


RP-29
1-622-551-13
BVW-70P
BVW-75P
BVW-96P



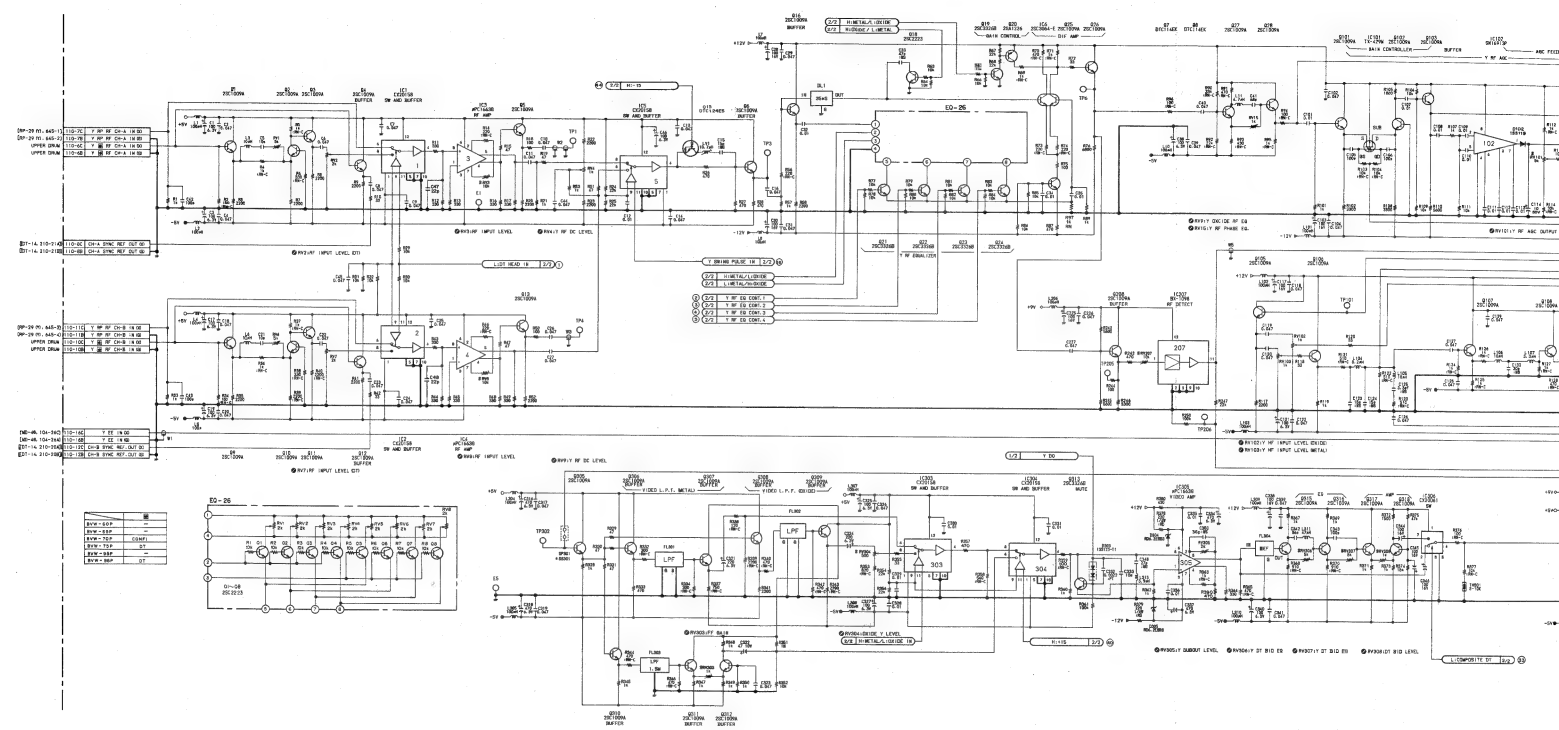
P-2 9 P (C) ; C REC/PB AMPLIFIER

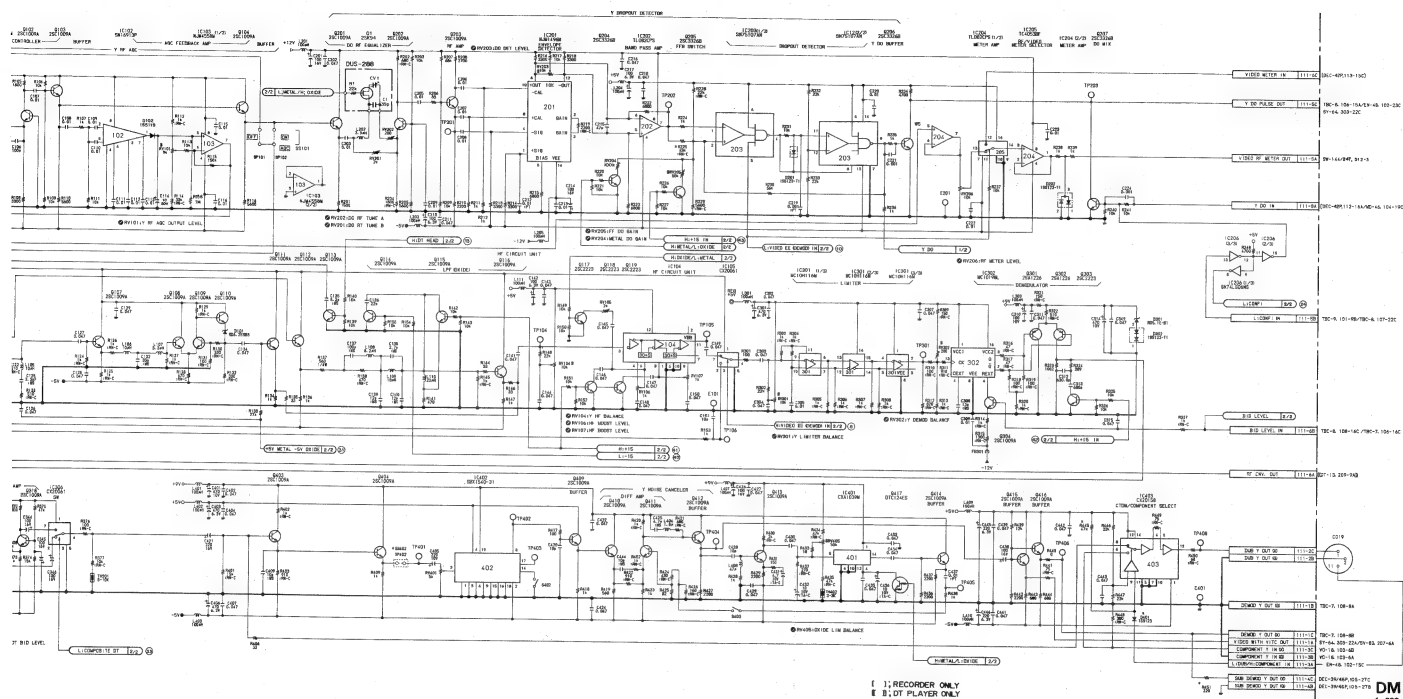




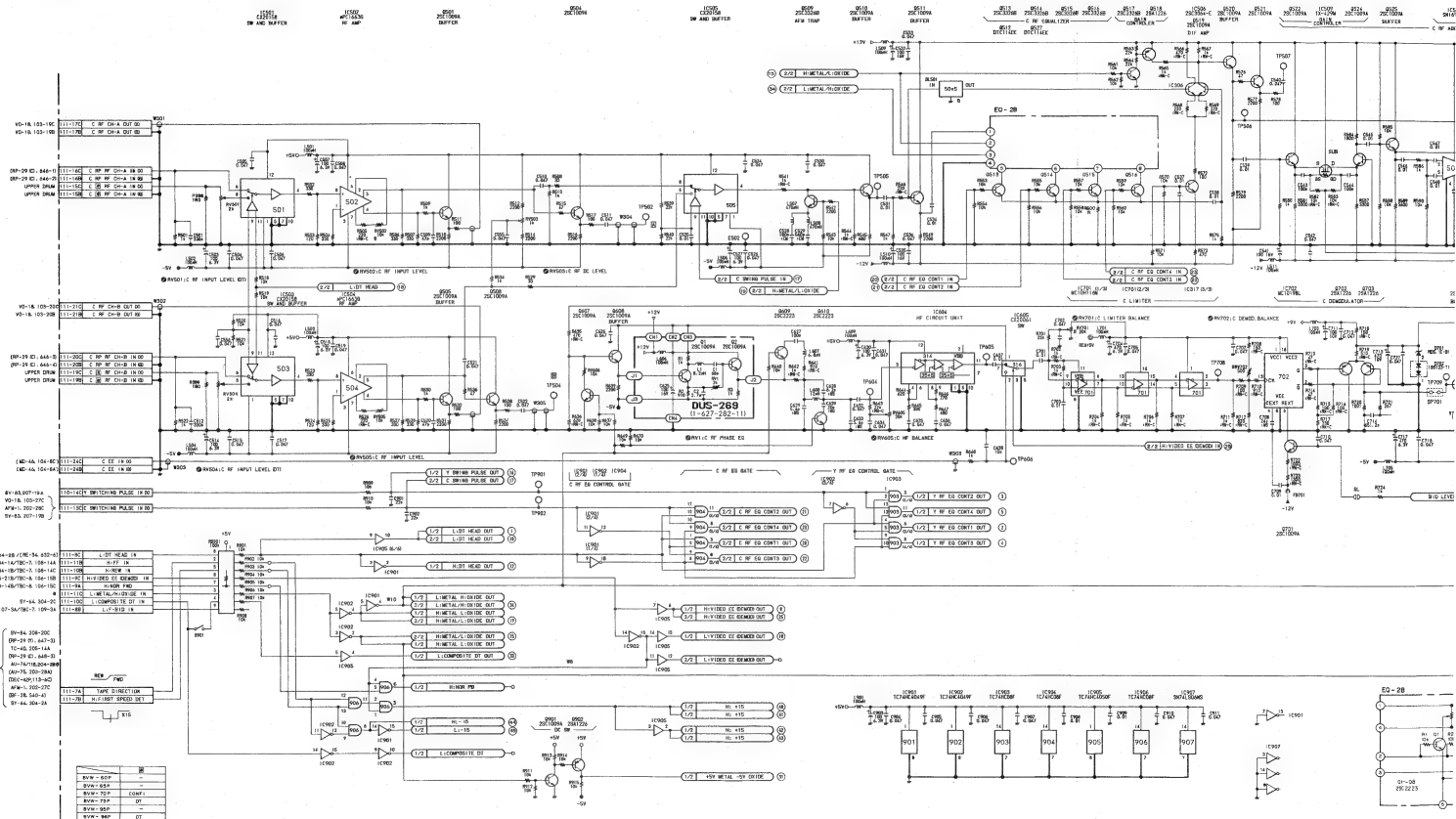
1-622-551-23
BVW-70P
BVW-75P
BVW-96P

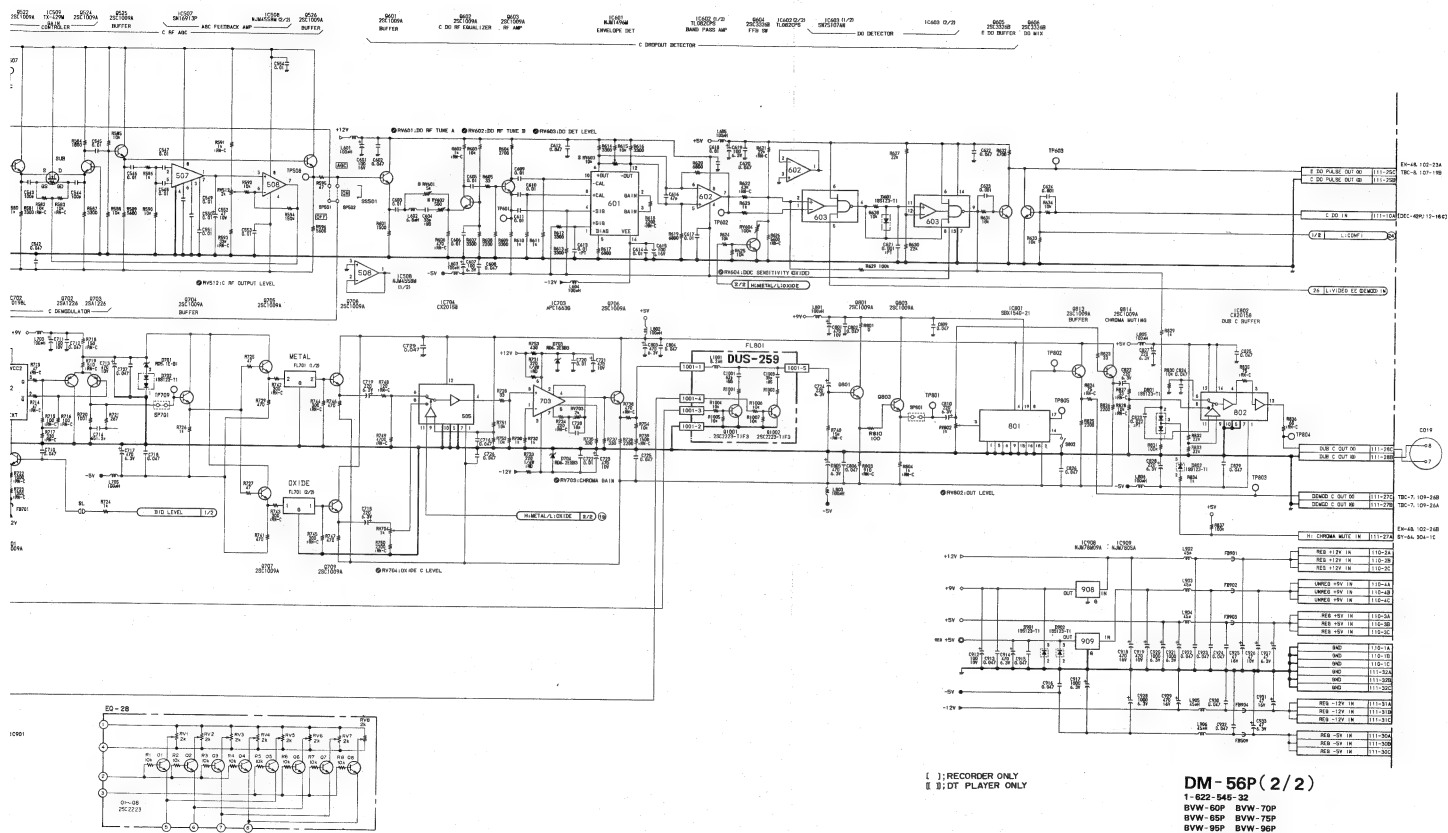
-56P (1/2); Y DEMODULATOR
 3-26; RF EQUALIZER
 JS-288; DO RF EQUALIZER



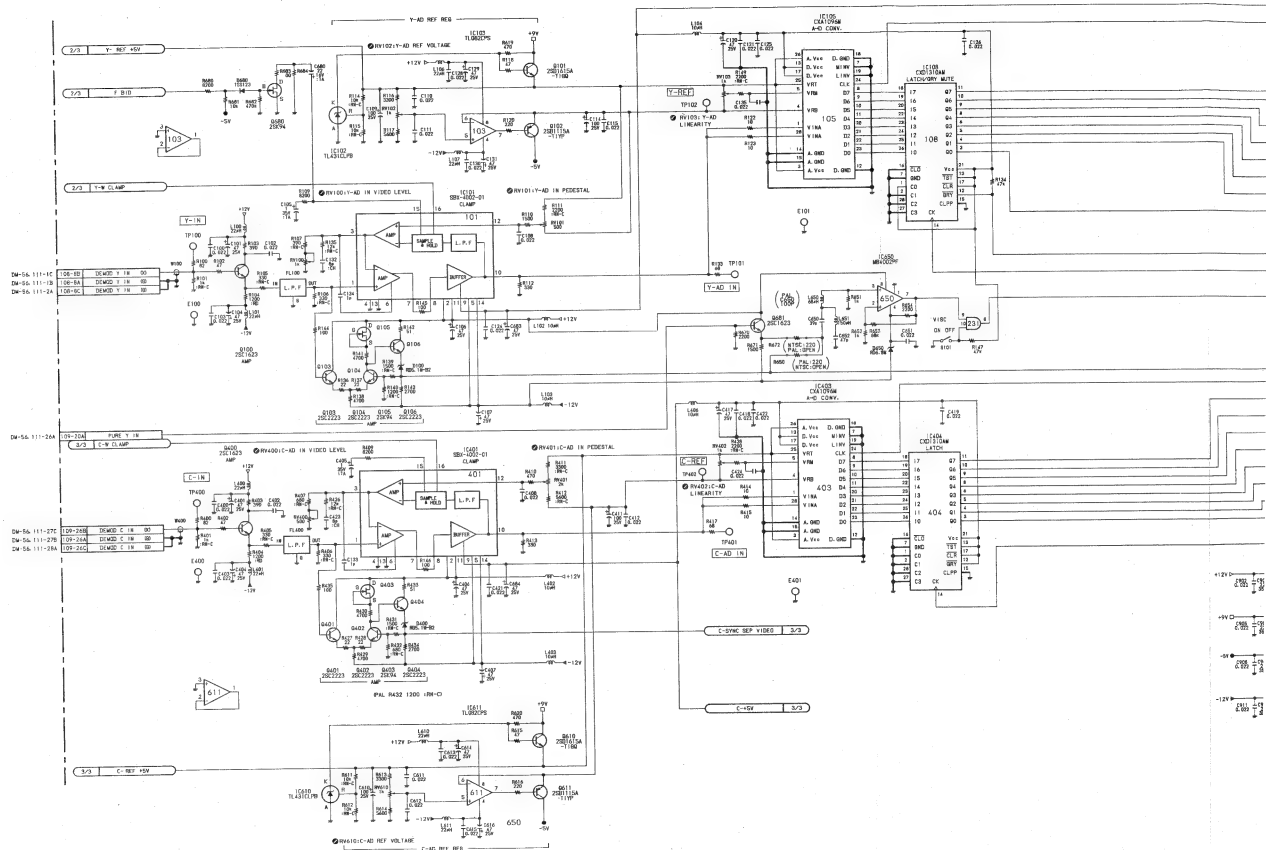


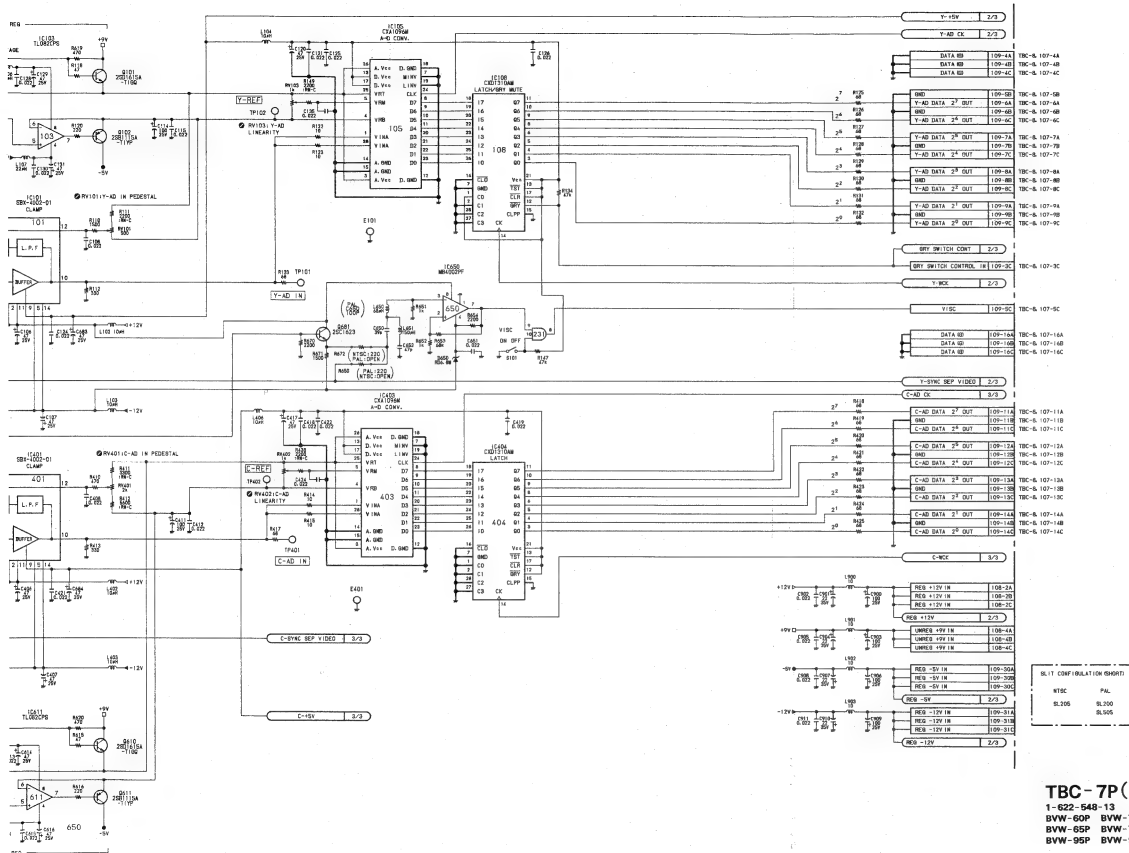
DM-56P (1/2)
1-545-32
EQ-26
DUS-288
DM-56P (1/2)
EQ-26
DUS-288





S/N up to 12547



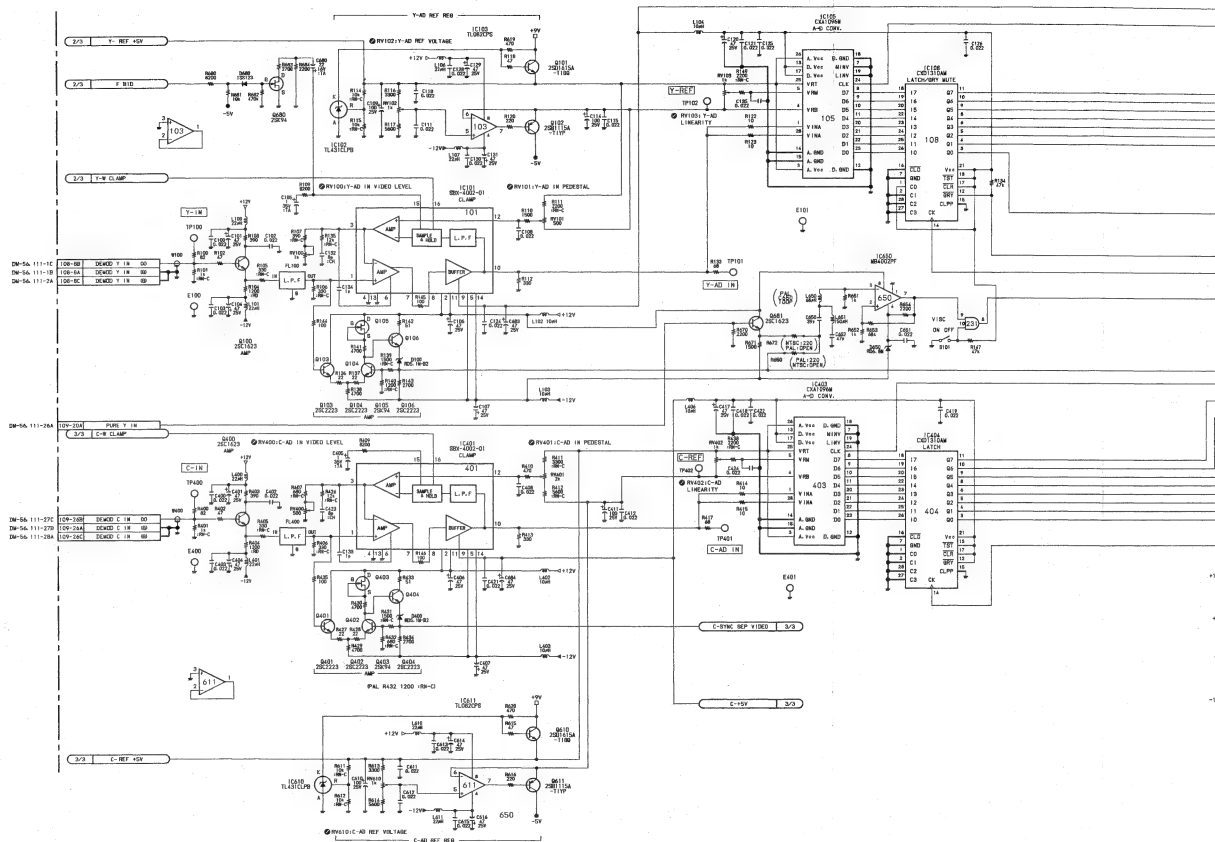


TBC-7P (1/3)

1-622-548-13
BVW-60P BVW-70P
BVW-65P BVW-75P
BVW-65P BVW-90P

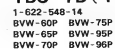
TBC-7D (1/3); A/D CONVERTER

S/N 12548 and higher



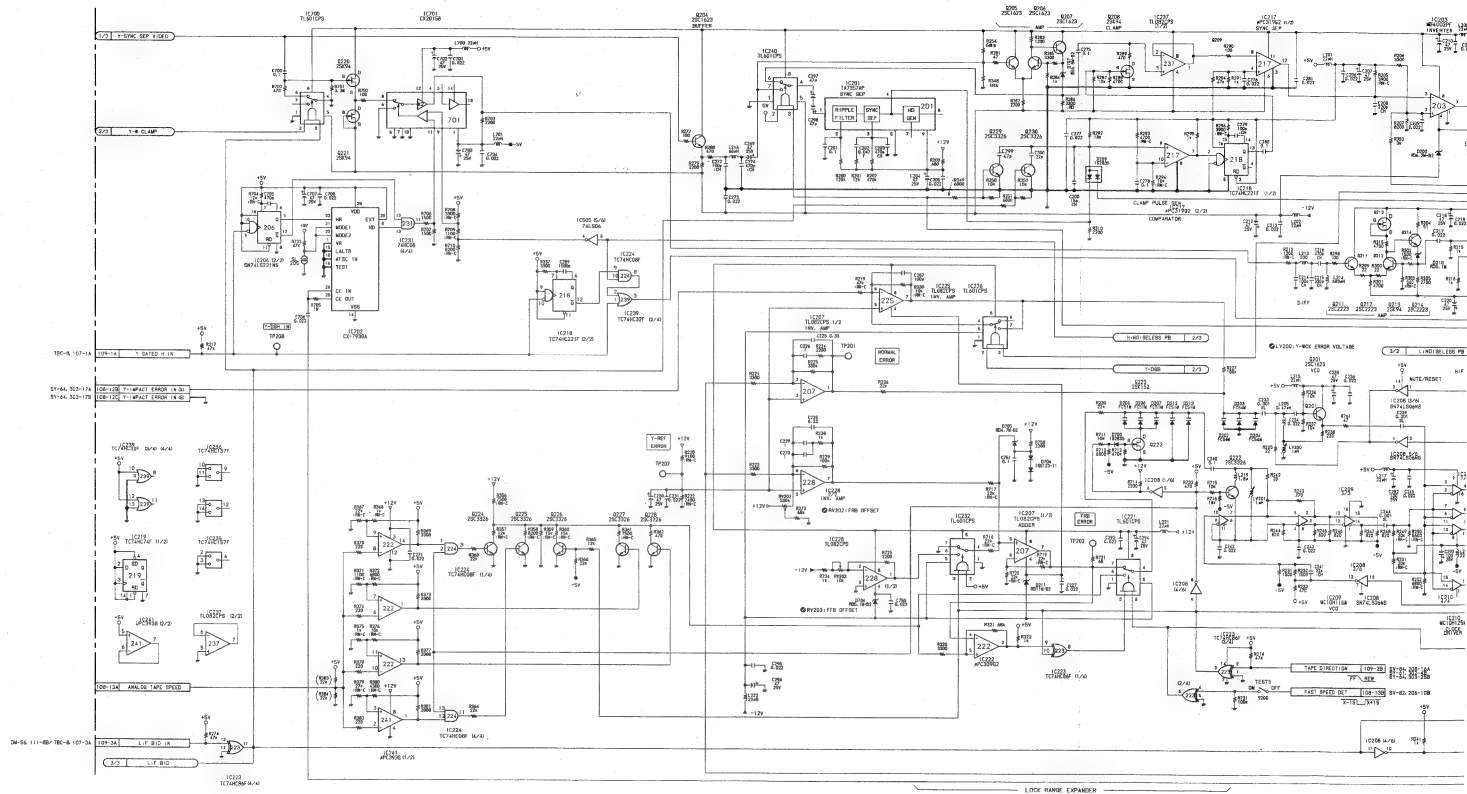
16-92 (b)

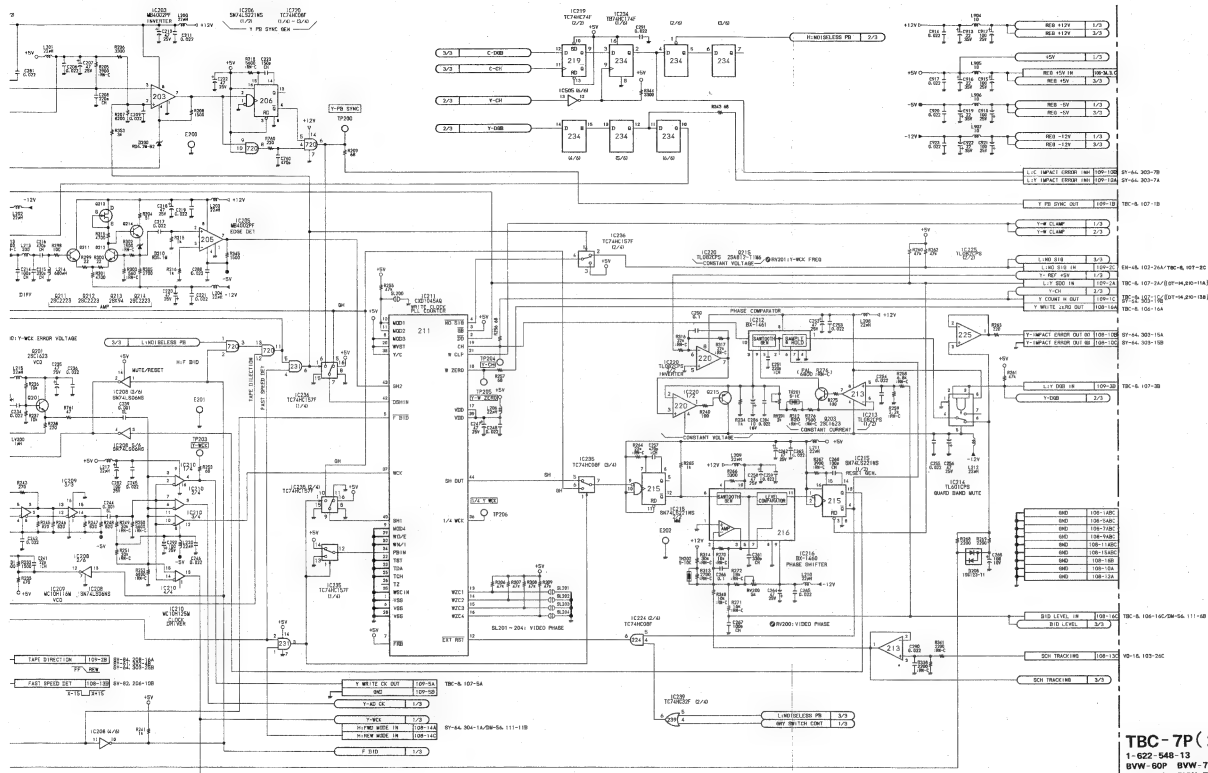
16-93 (b)



:-7P (2/3); Y WRITE CLOCK GENERATOR

S/N up to 12547





(U) DET PLAYER ONLY

TBC-7P(2/3)

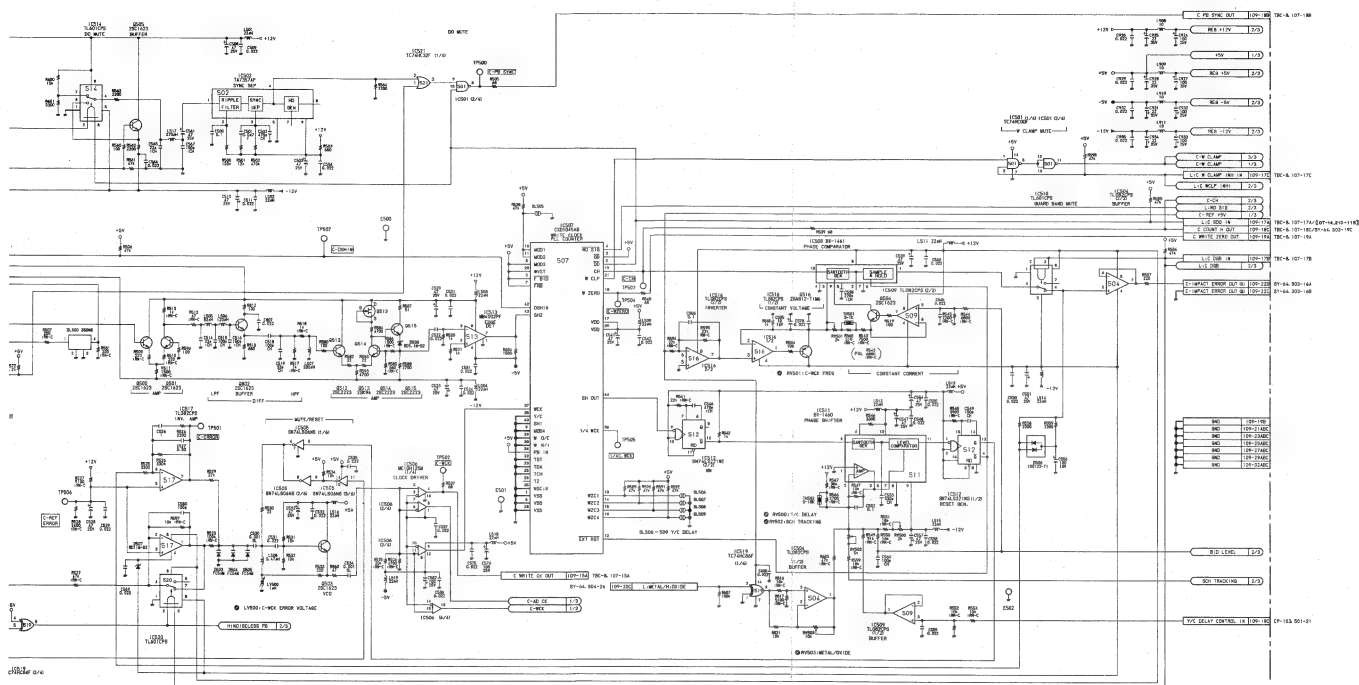
1-622-548-13
 BVW-6SP BVW-70P
 BVW-6SP BVW-75P
 BVW-6SP BVW-90P



16-102 (b)

S/N up to 12547





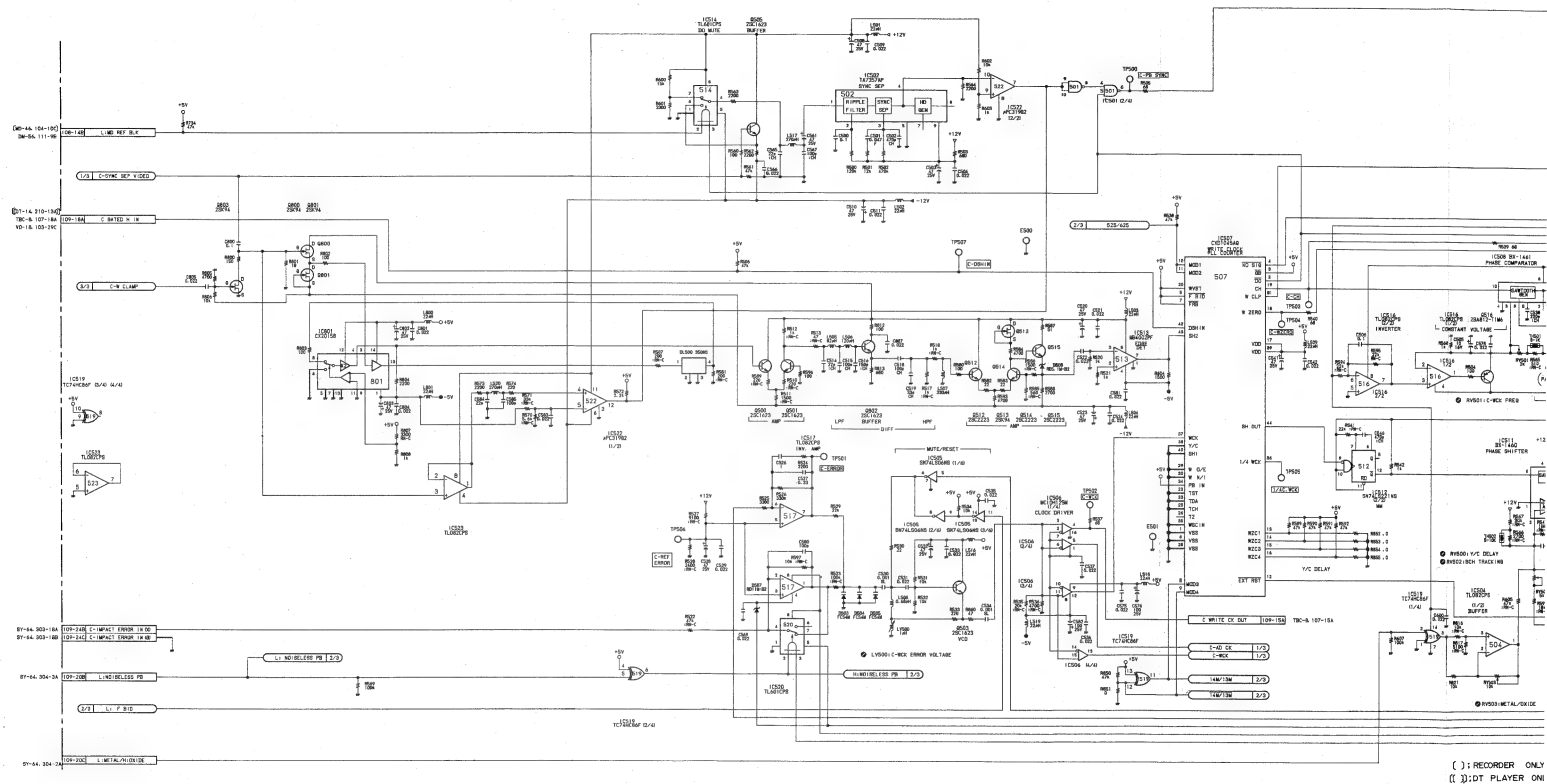
() : RECORDER ONLY
 (B) : OT PLAYER ONLY

TBC-7P(3/3)

1-622-548-13
 BVW-60P BVW-70P
 BVW-65P BVW-75P
 BVW-65P BVW-66P

TBC-7D (3/3); C WRITE CLOCK GENERATOR

S/N 12548 and higher



16-106 (b)

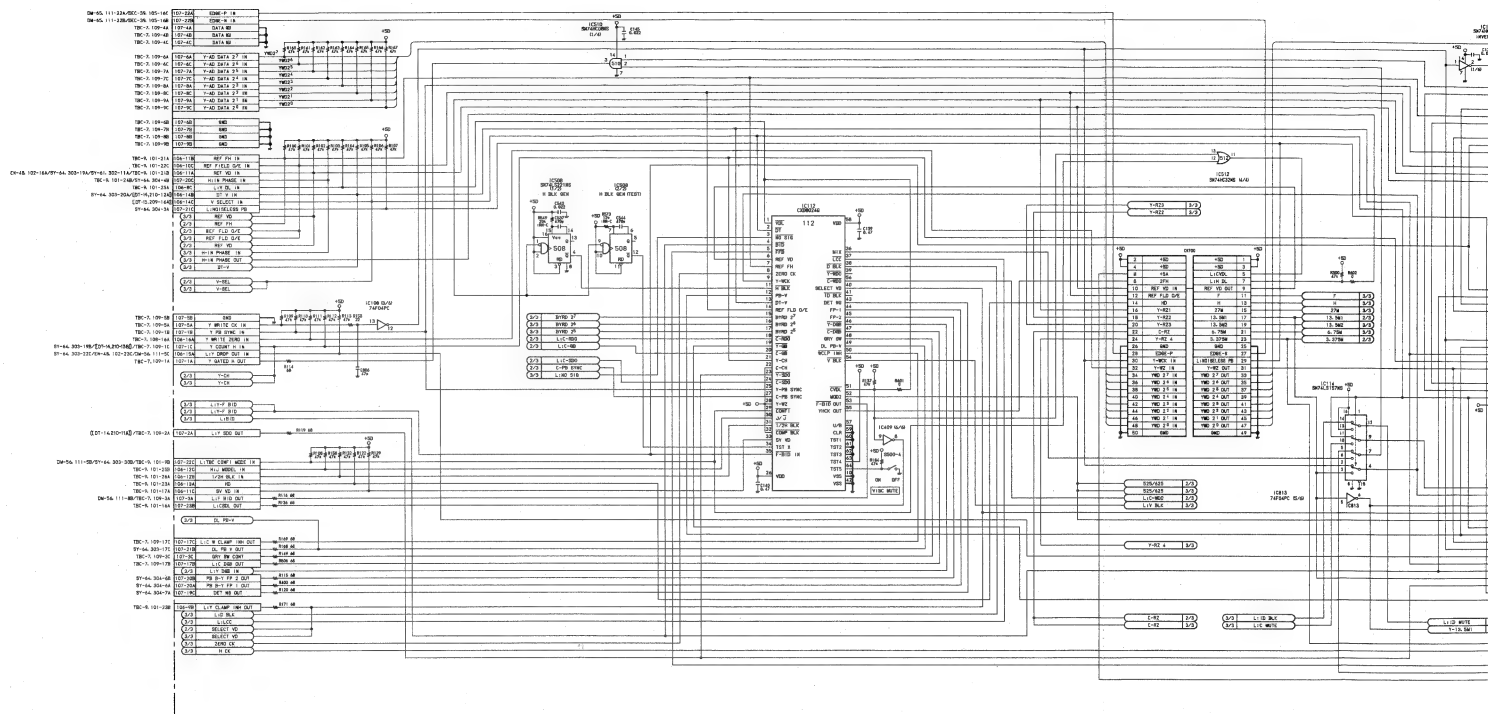
16-107 (b)



16-108 (b)

C-12P (1/3); Y MAIN MEMORY

S/N 12548 and higher



16-113 (b)

16-114 (b)

A

B

C

D

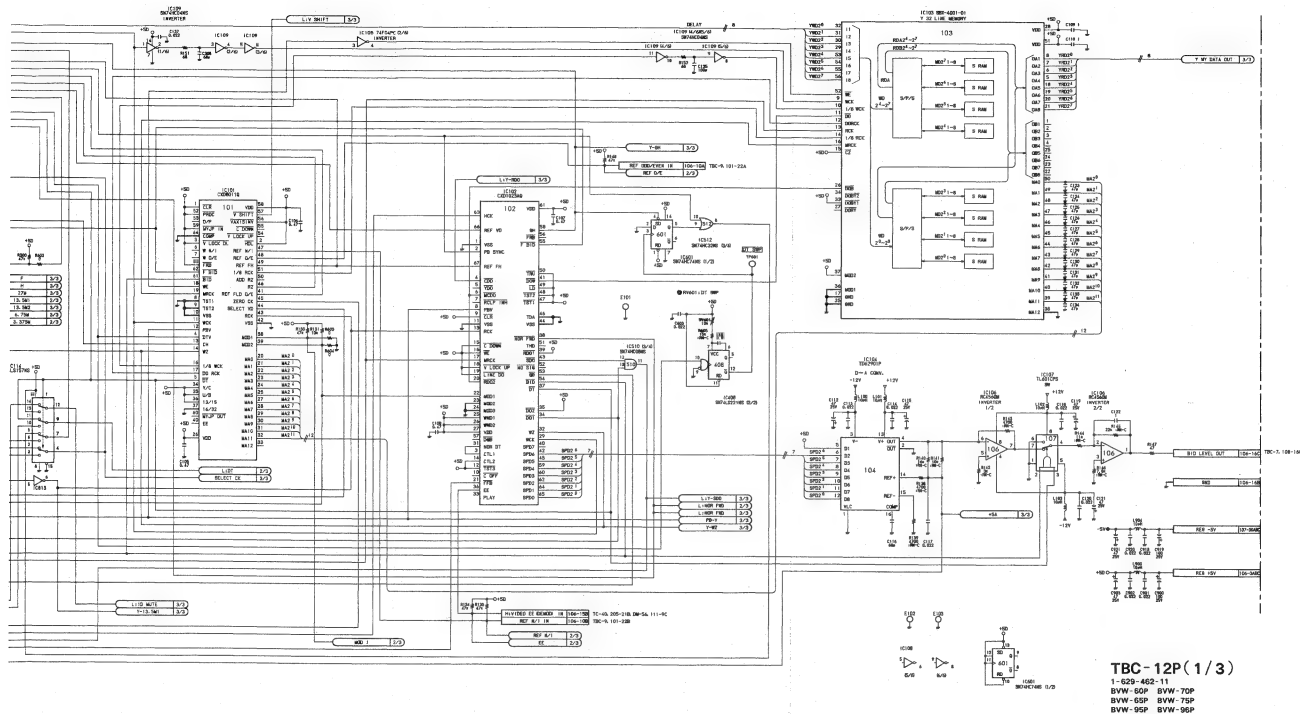
E

F

G

H

I

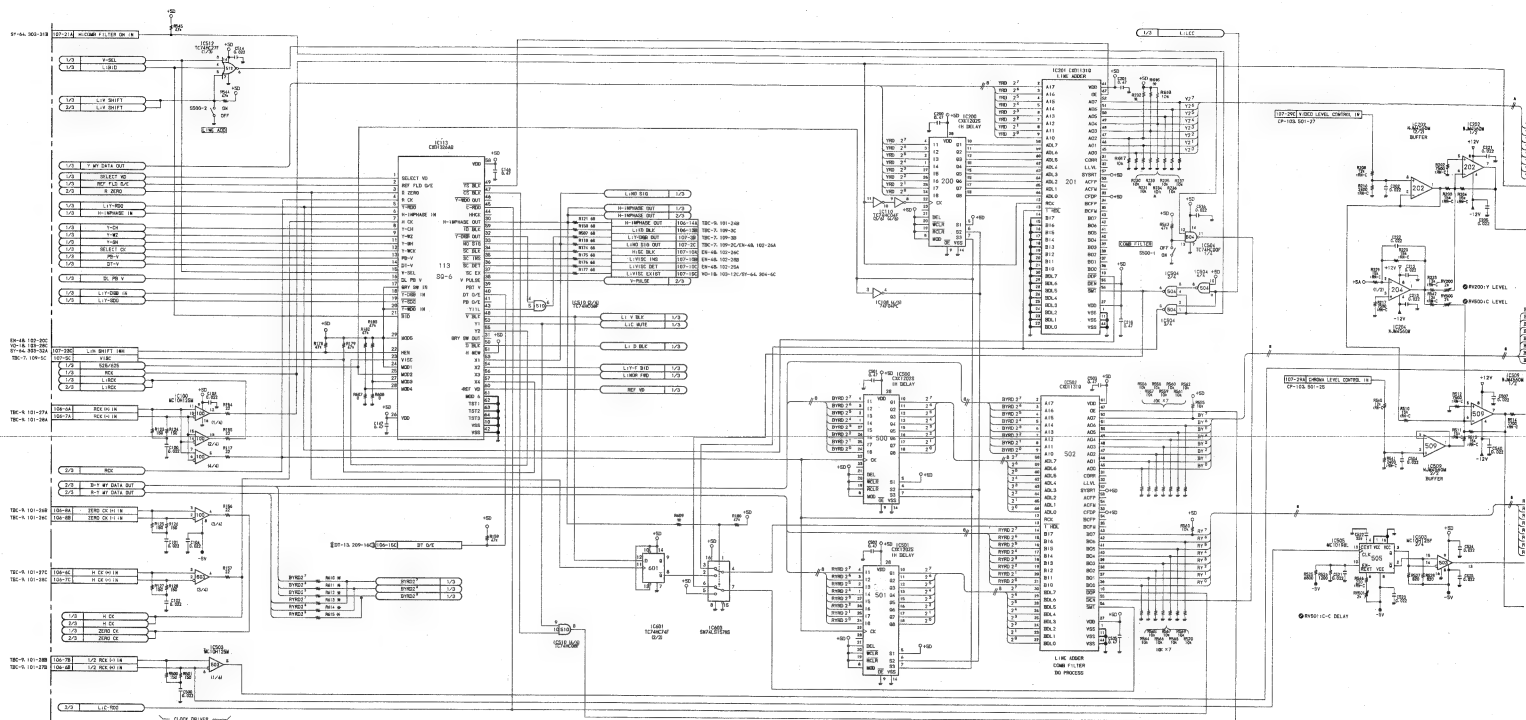


((B:OT PLAYER ONLY



2-8P (3/3); DA CONVERTER
2-25; Y DIGITAL NOISE REDUCTION

S/N up to 12547



16-127 (a)

16-128 (a)

A

B

C

D

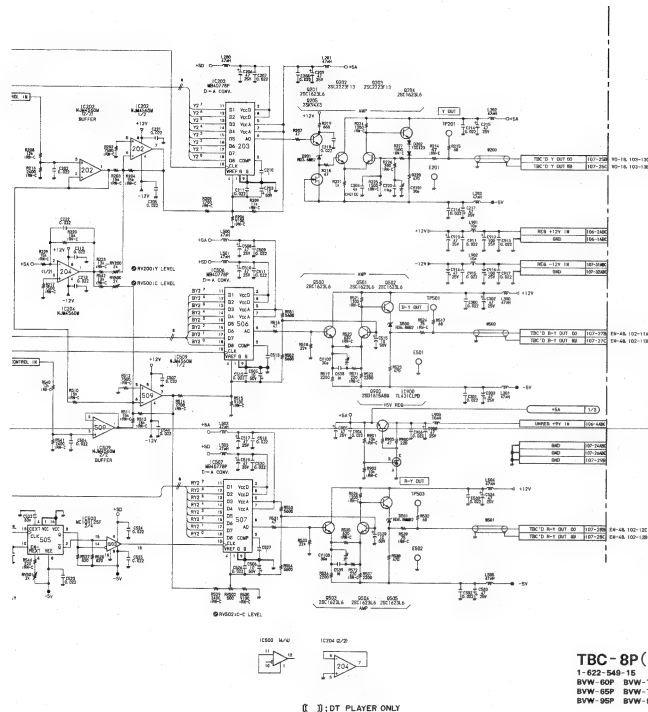
E

F

G

H

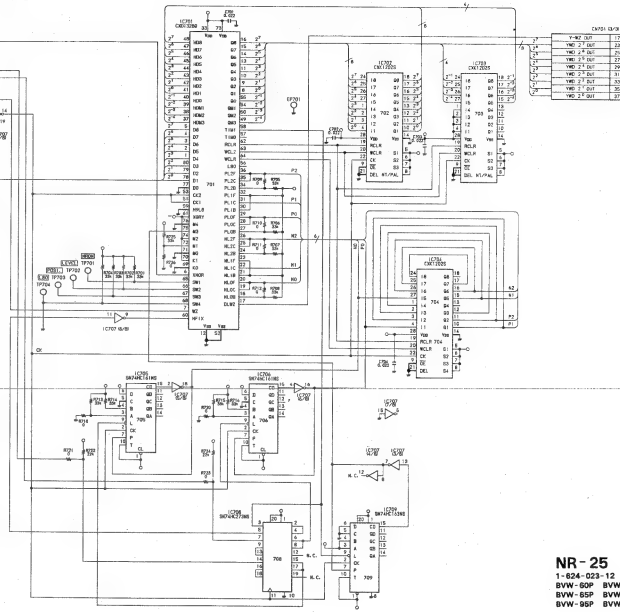
I

[illegible]

Pin	Signal
24	V _{DD} 2 ⁷ 1K
26	V _{DD} 2 ⁶ 1K
28	V _{DD} 2 ⁵ 1K
30	V _{DD} 2 ⁴ 1K
32	V _{DD} 2 ³ 1K
34	V _{DD} 2 ² 1K
36	V _{DD} 2 ¹ 1K
38	V _{DD} 2 ⁰ 1K
39	GND
40	GND

NOTE					
REF. NO.	NTSC	PAL	PM	SECAM	
C538	33p	22p	33p	22p	
C539	33p	22p	33p	22p	
R232	10k	10k	OPEN	10k	
R233	10k	10k	OPEN	10k	
R234	10k	OPEN	10k	10k	
R509	OPEN	OPEN	OPEN	0	
R510	0	0	OPEN	0	
R511	0	0	OPEN	0	
R512	0	0	OPEN	0	
R513	OPEN	OPEN	0	OPEN	
R514	OPEN	OPEN	0	OPEN	
R515	OPEN	OPEN	0	OPEN	
R516	OPEN	OPEN	10k	OPEN	
R517	OPEN	10k	10k	OPEN	
R518	OPEN	10k	OPEN	OPEN	

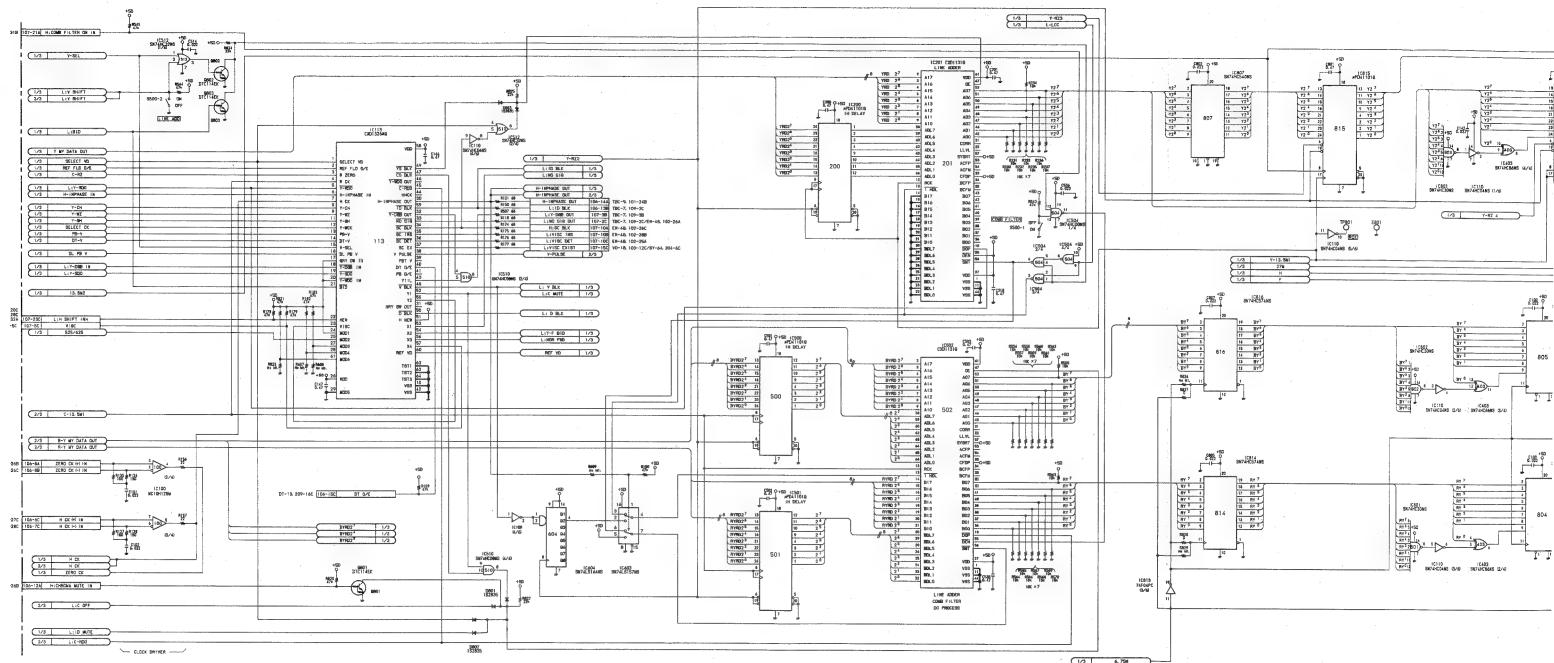
TBC-8P(3/3)
1-622-549-15
BVW-60P BVW-70P
BVW-65P BVW-75P
BVW-95P BVW-96P



NR-25
1-824-023-12
BVW-60P BVW-70P
BVW-85P BVW-75P
BVW-95P BVW-96P

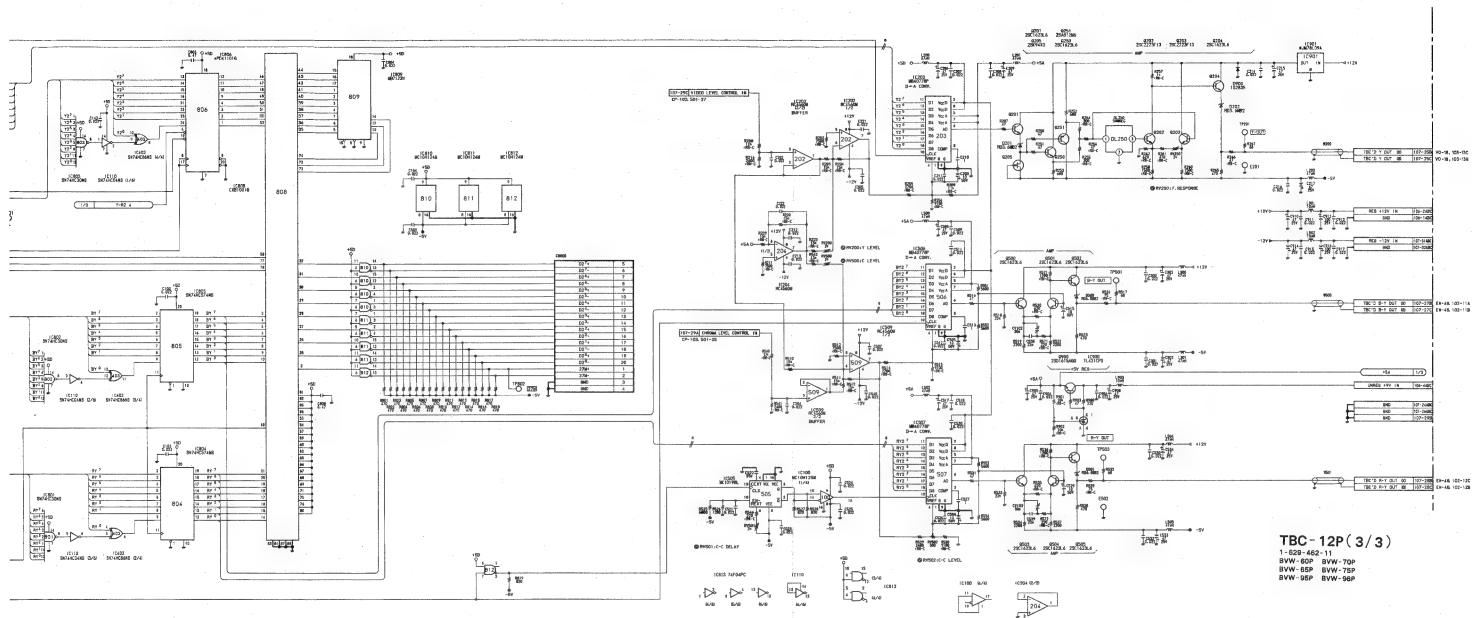
C-12P (3/3); D/A CONVERTER, DIGITAL VIDEO PARALLEL OUTPUT

S/N 12548 and higher



16-127 (b)

16-128 (b)

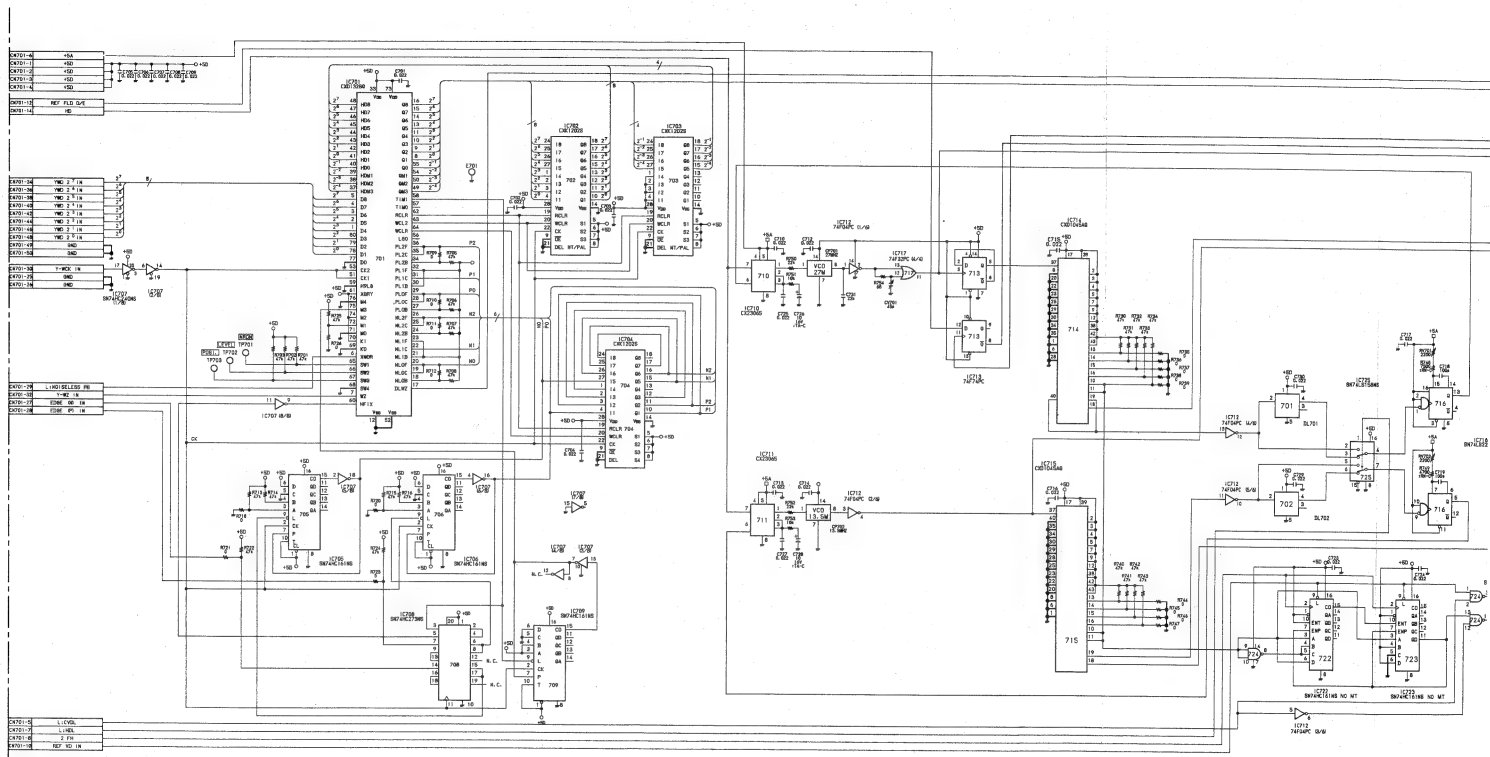


TBC-12P (3/3)

1-622-622-11
 BVW-62P BVW-70P
 BVW-62P BVW-70P
 BVW-62P BVW-70P

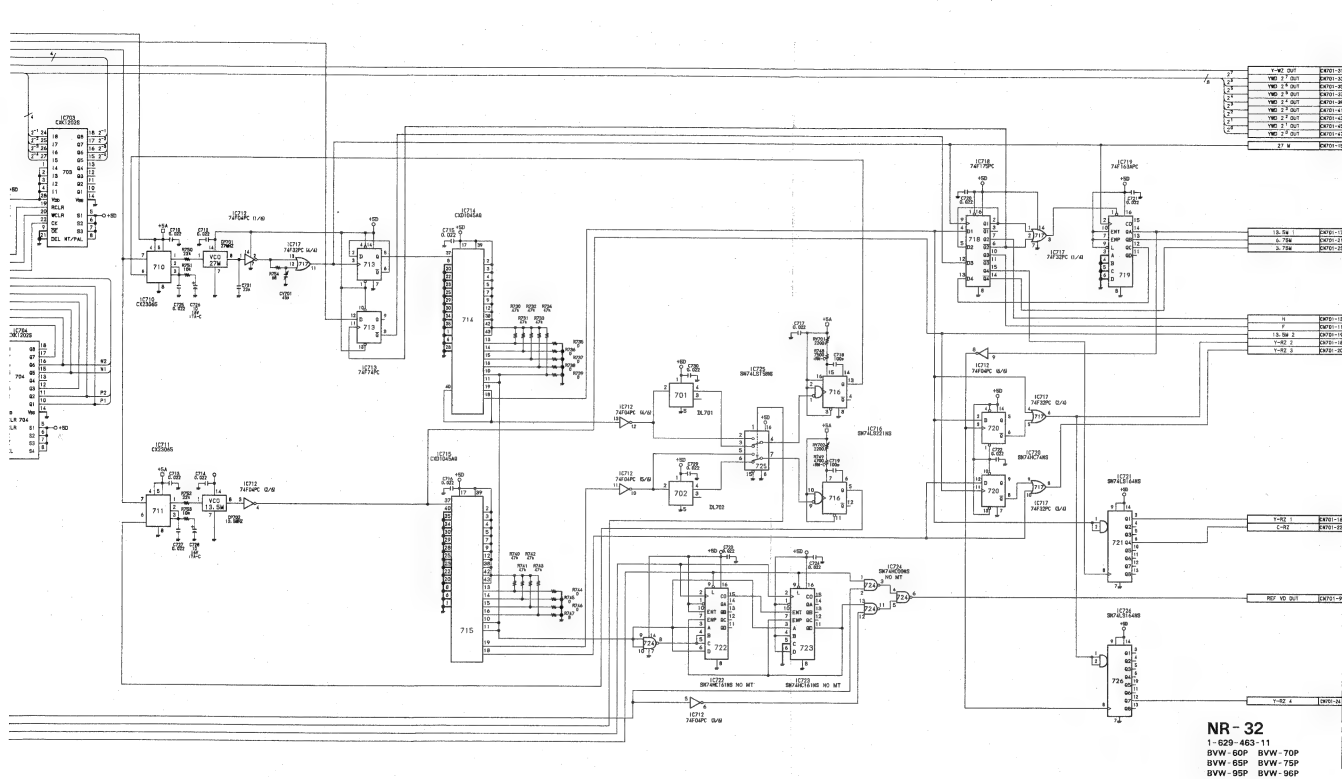
NR-32; Y DIGITAL NOISE REDUCTION,
READ CLOCK GENERATOR

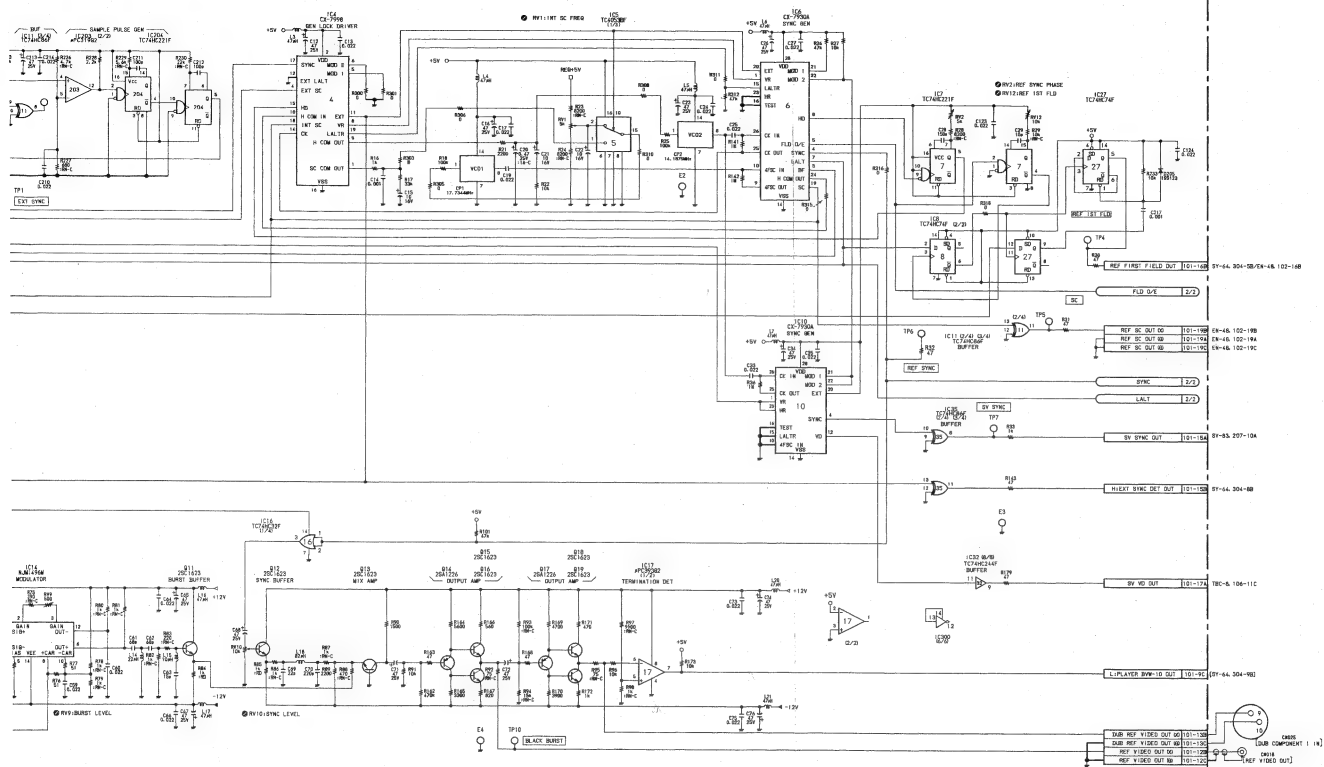
S/N 12548 and higher



16-128 (b)-1

16-129 (b)-1

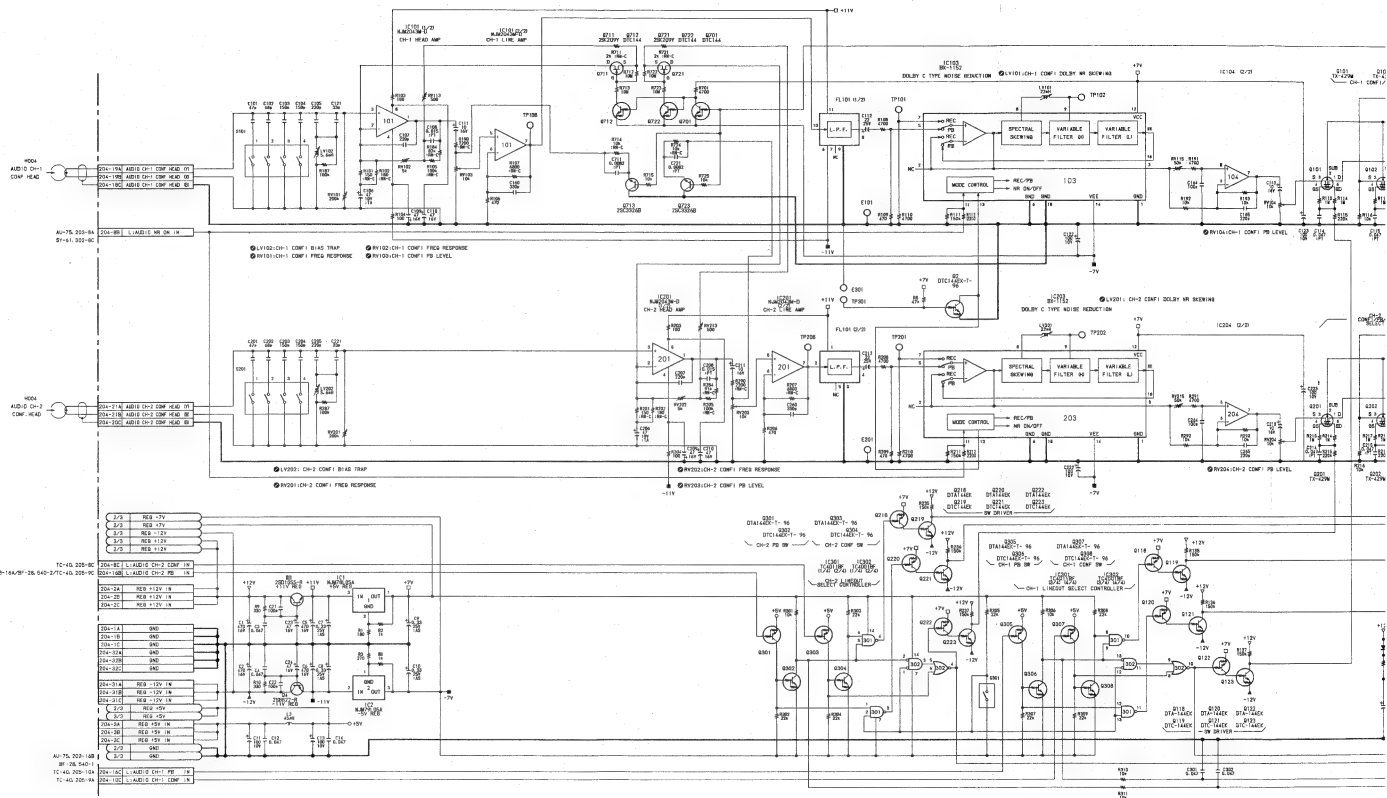




TBC - 9P (1 / 2)

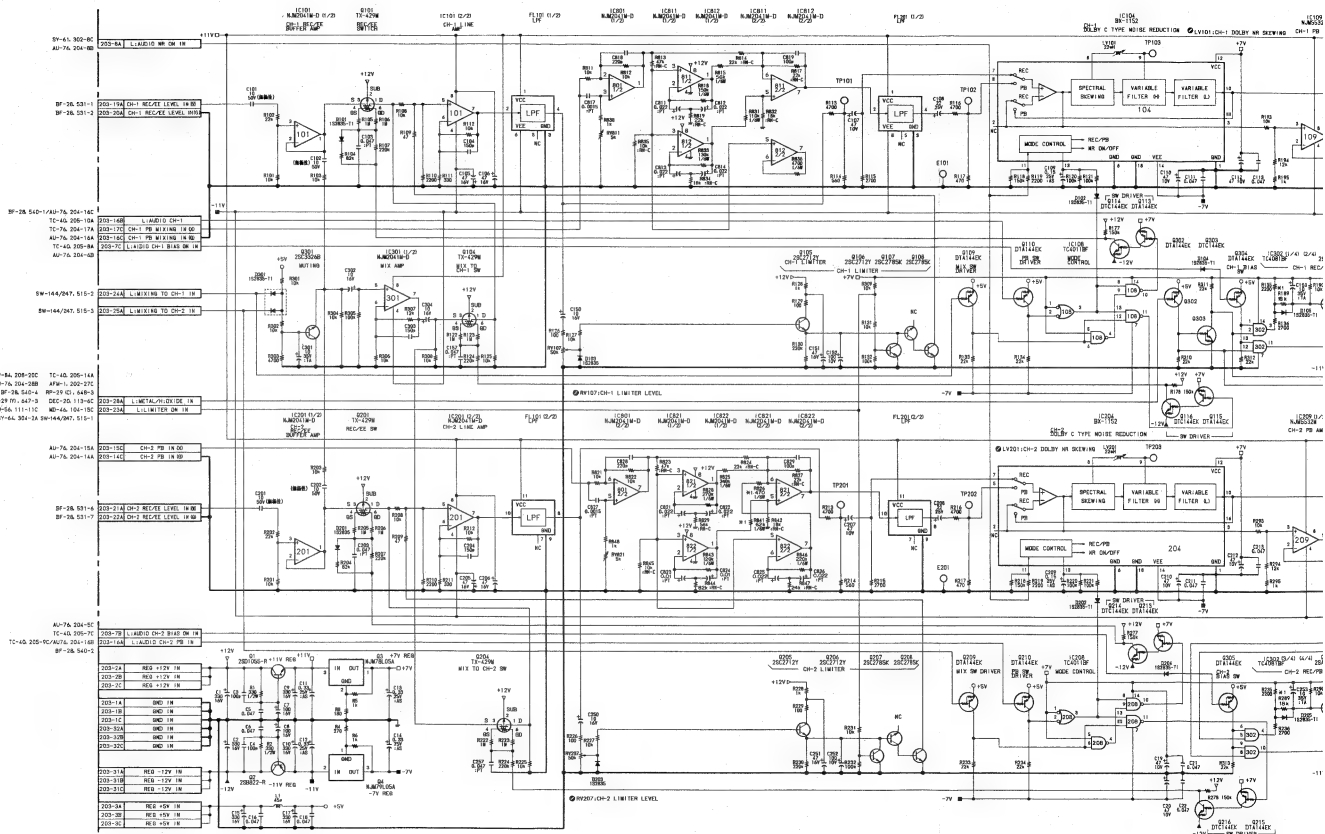
() ; RECORDER ONLY

1-822-550-13
 BVW-60P BVW-70P
 BVW-65P BVW-75P
 BVW-95P BVW-96P

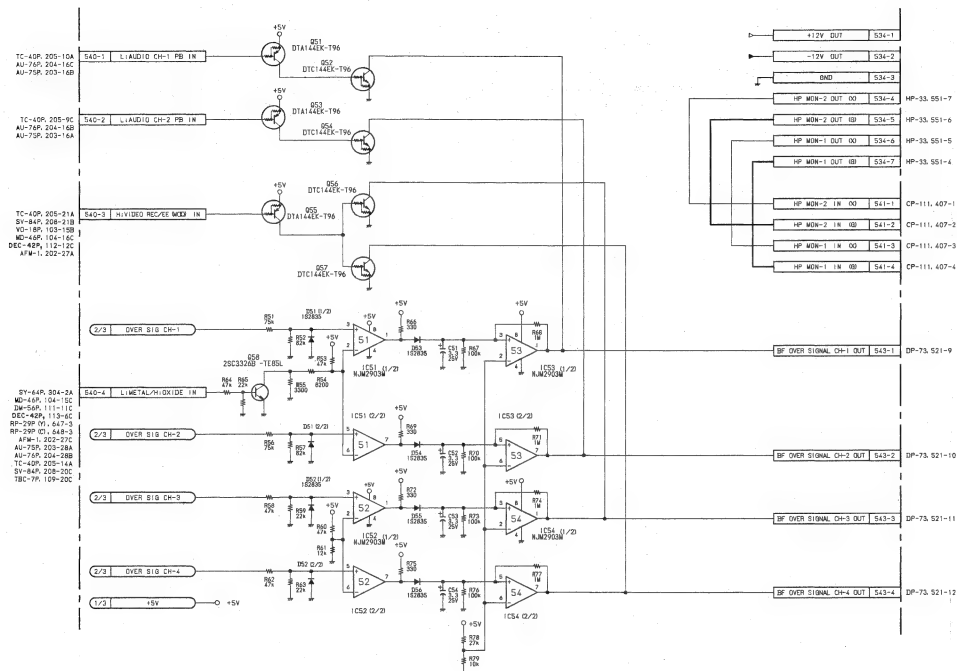
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1

-75P; AUDIO REC/PB AMPLIFIER

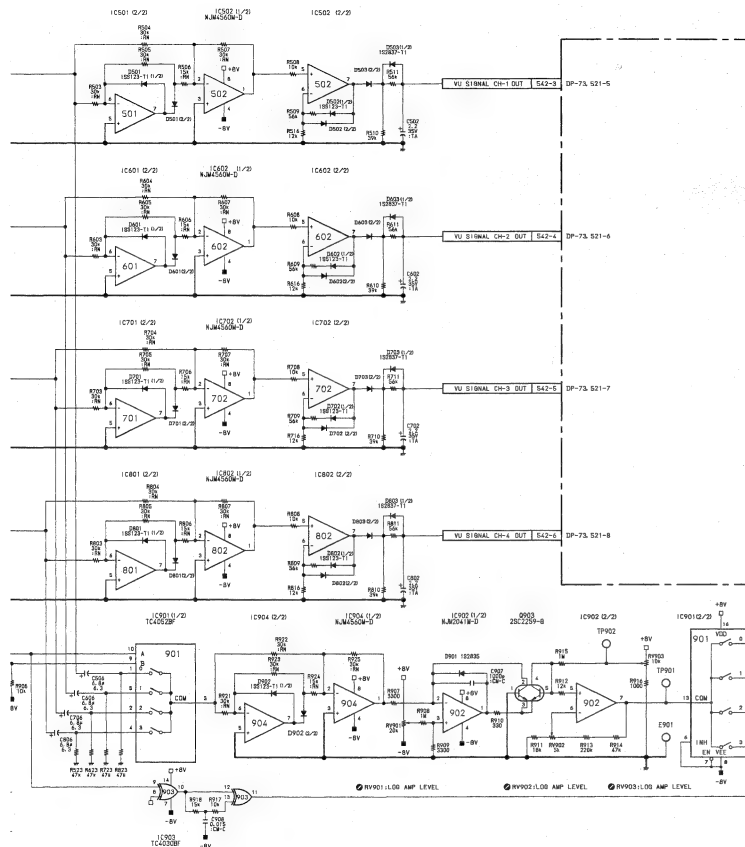


B F - 2 8 (3/3) ; AUDIO LEVEL OVER DETECTOR

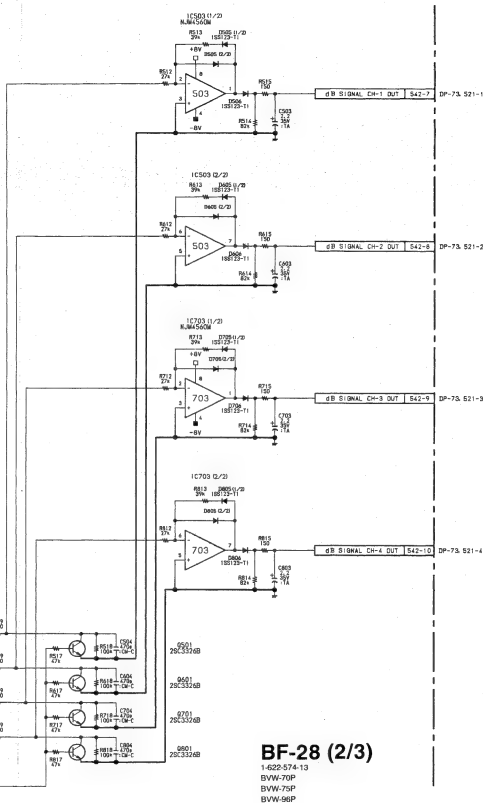


BF-28 (3/3)

1-822-574-13
BVW-70P
BVW-75P
BVW-96P



16-209

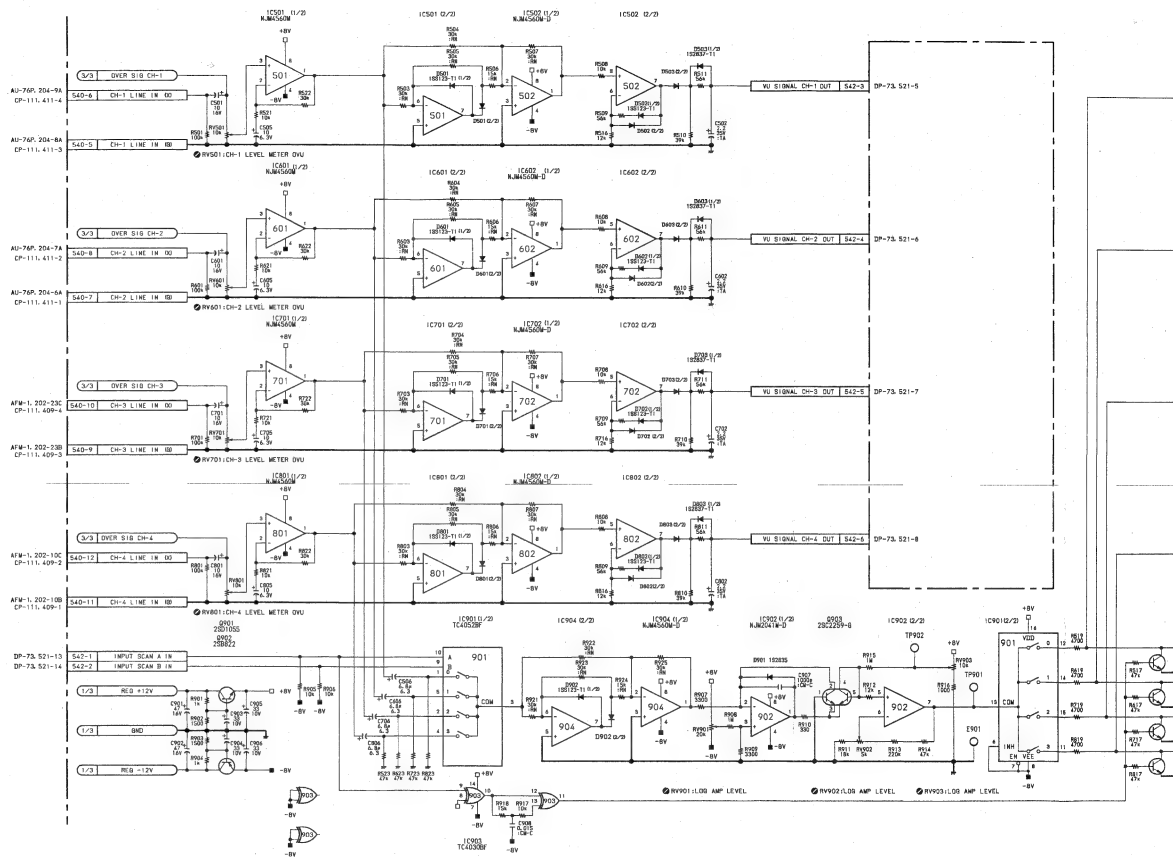


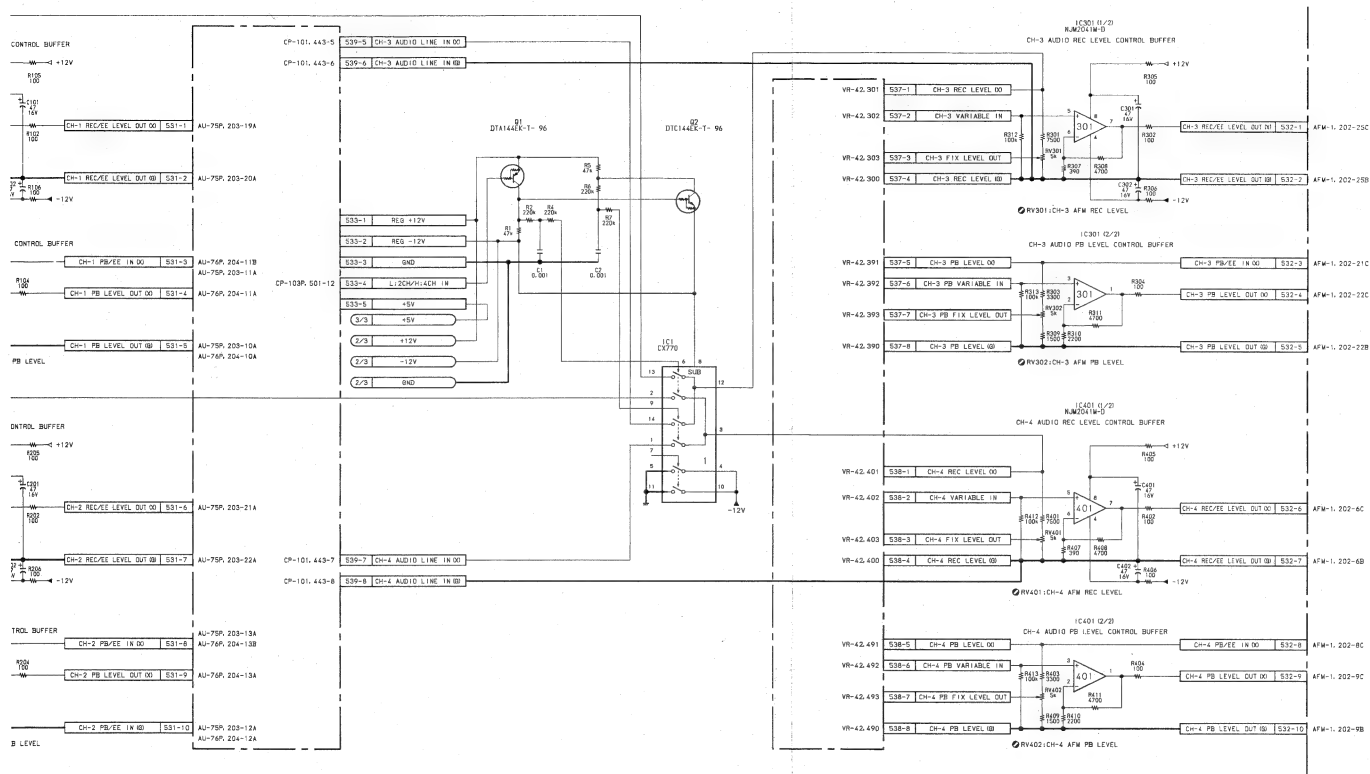
BF-28 (2/3)

1-602-501-10
BWV-70P
BWV-75P
BWV-80P

16-210

BF-28 (2/3) ; AUDIO LEVEL VU/dB DETECTOR

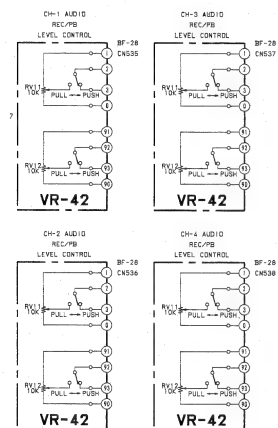




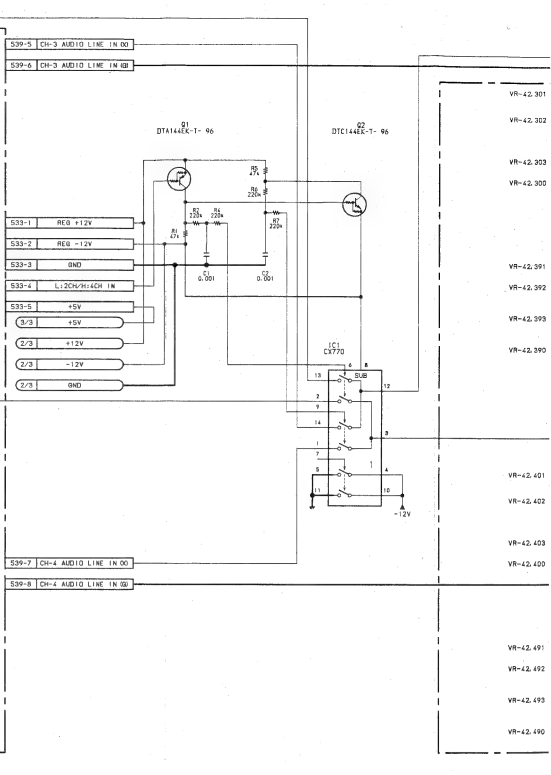
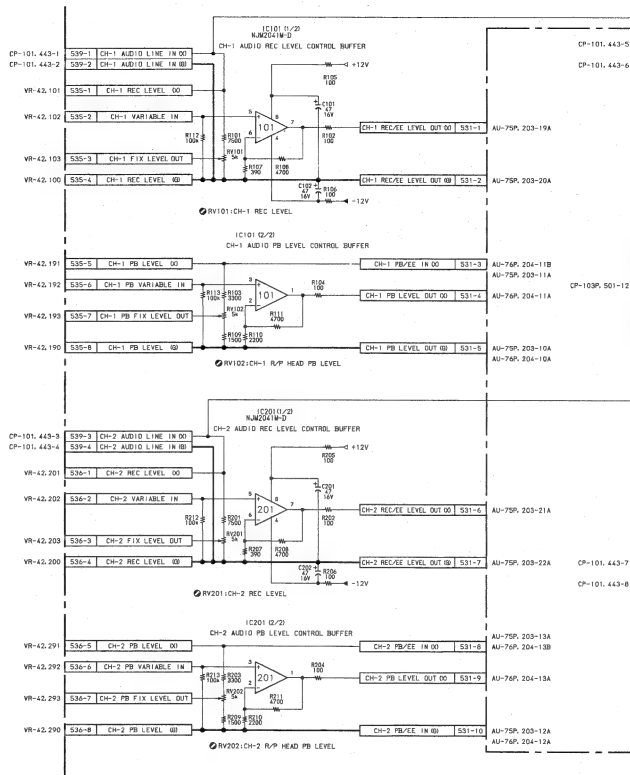
BF-28 (1/3)

1-652-576-10
BVM-70P
BVM-75P
BVM-96P

BF-28 (1/3); AUDIO REC/PB LEVEL CONTROL
VR-42; AUDIO REC/PB VOLUME



16-202



16-203

A

B

C

D

E

F

G

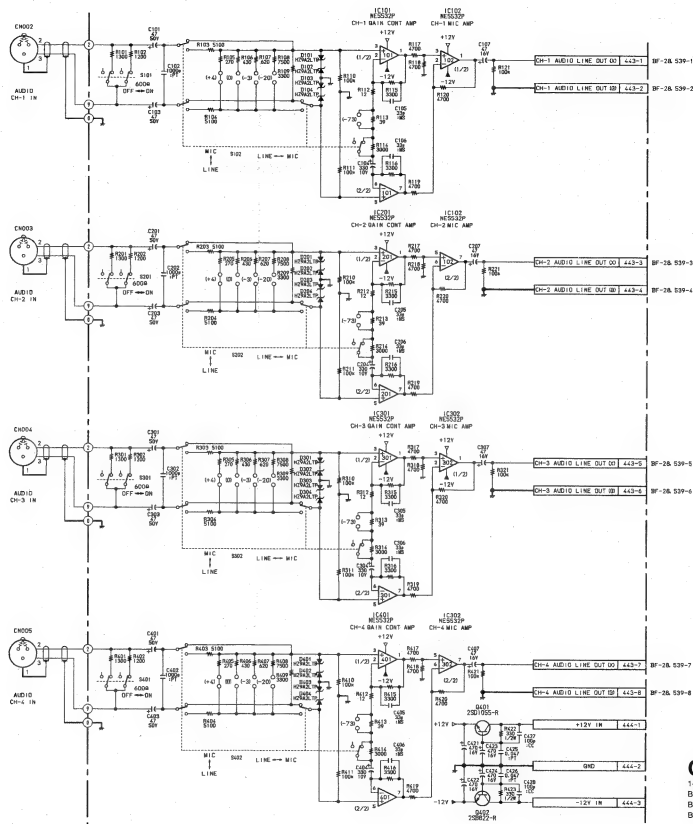
H

Q1 441-1 DEC-27/86, 105-HOC VO-18, 103-H2A
Q2 441-2 DEC-27/86, 105-H2A VO-18, 103-H2B

Q1 441-3 YBC-R, 101-SB
Q2 441-4 YBC-R, 101-SC

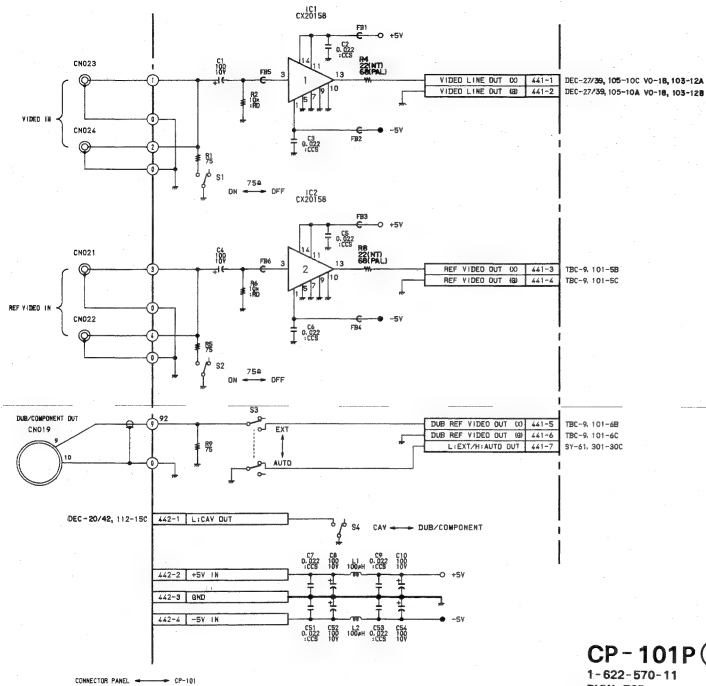
Q1 441-5 YBC-R, 101-SB
Q2 441-6 YBC-R, 101-SC
Q3 441-7 87-61, 301-30C

CP-101P (1/2)
1-622-570-11
BVW-70P
BVW-75P
BVW-96P



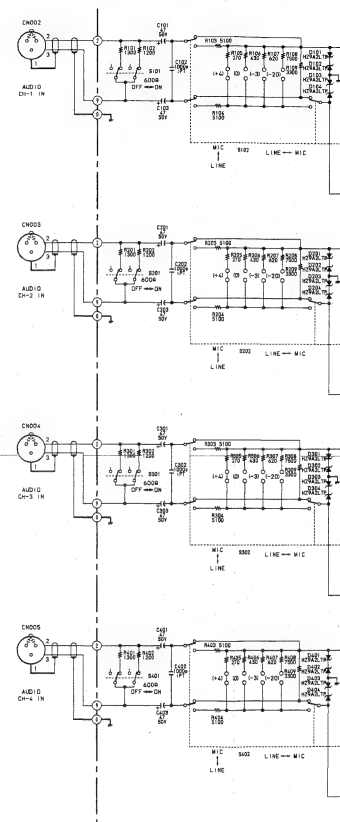
CP-101P (2/2)
1-622-570-11
BVW-70P
BVW-75P
BVW-96P

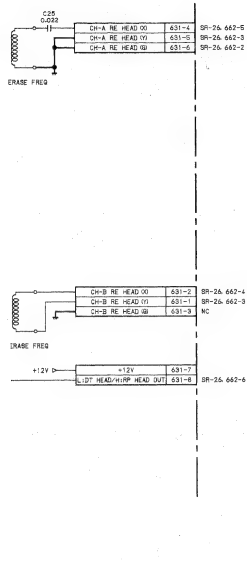
CP-101P (1/2); VIDEO INPUT
CP-101P (2/2); AUDIO INPUT



CP-101P(1/2)

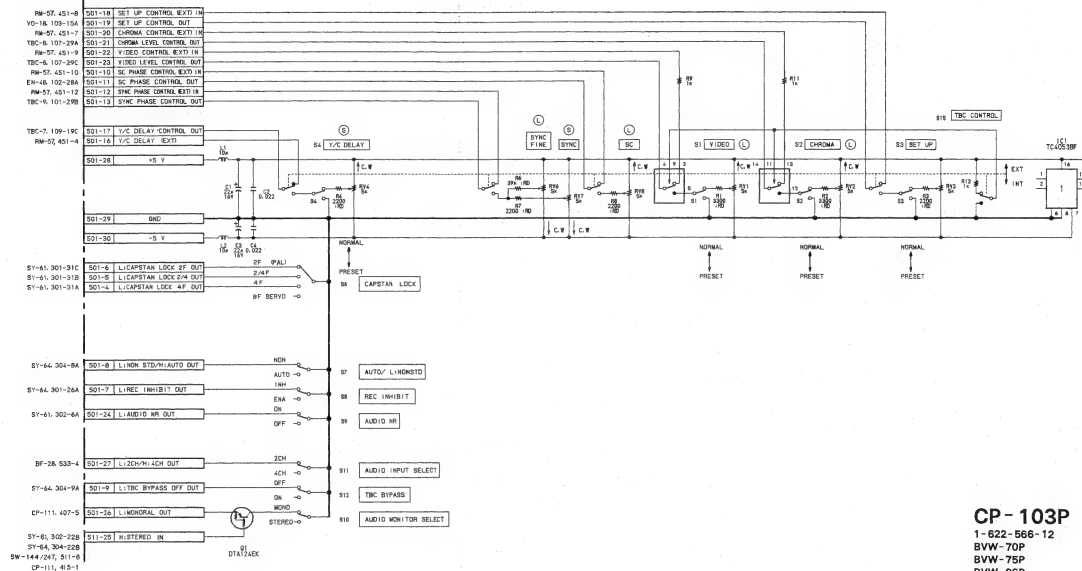
1-622-570-11
BVW-70P
BVW-75P
BVW-96P





RE-34

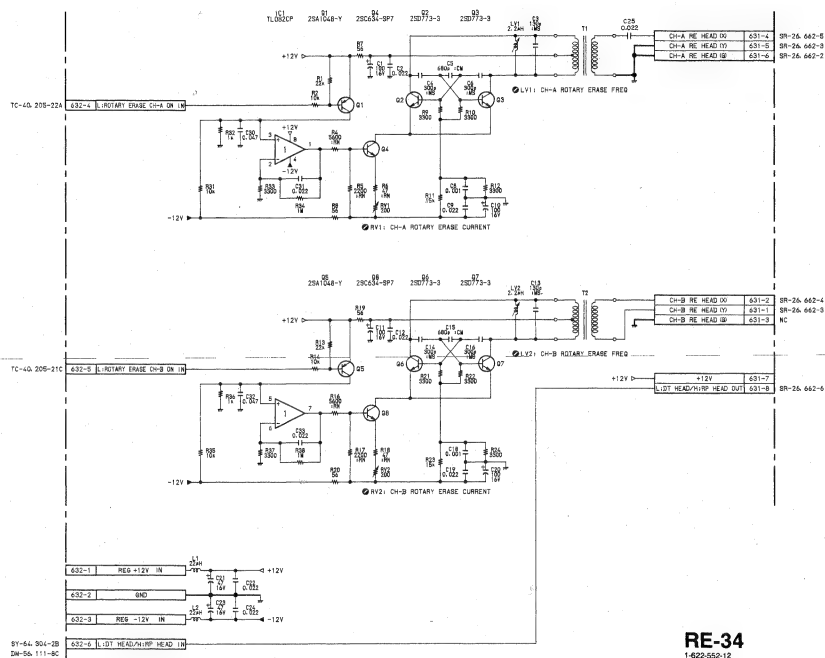
1-622-552-12
BVW-70P
BVW-75P
BVW-96P



CP- 103P

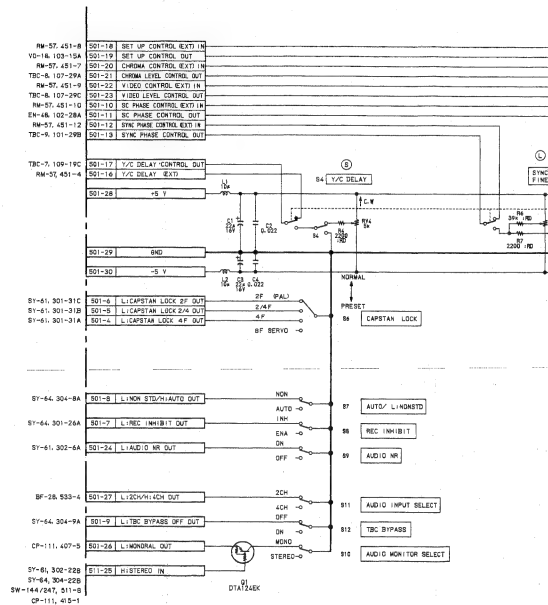
1-622-566-12
BVW-70P
BVW-75P
BVW-96P

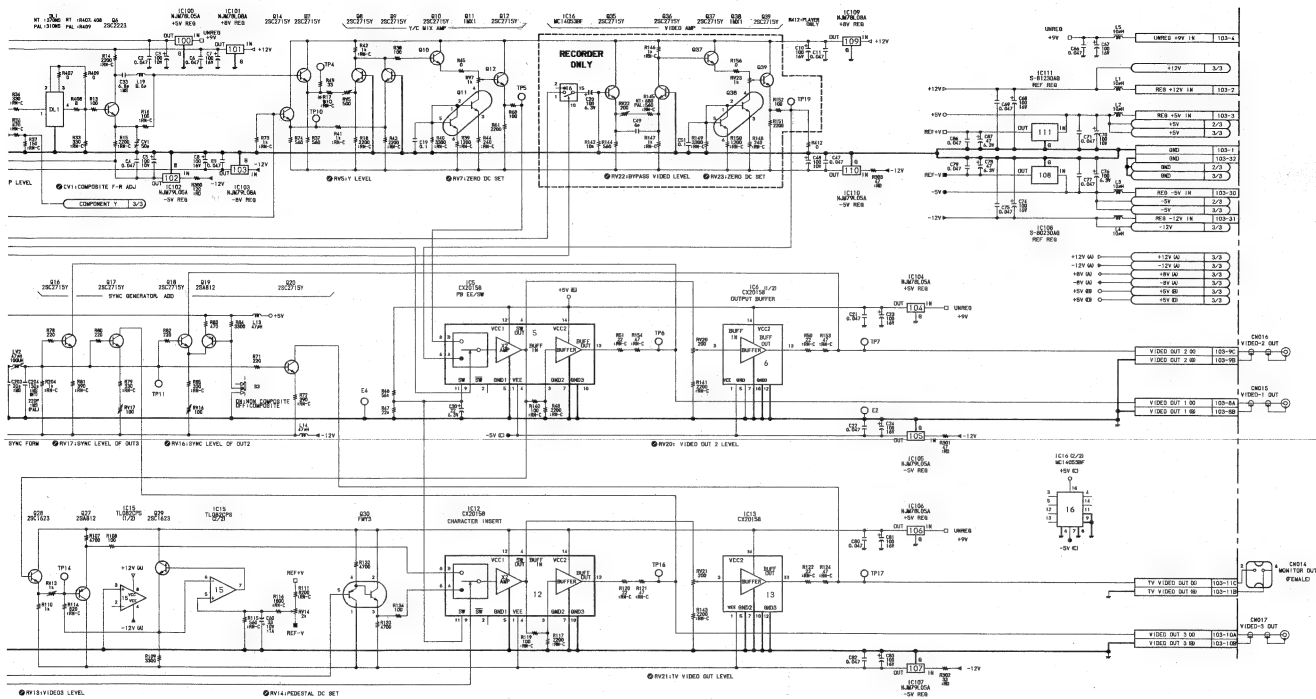
RE-34; ROTARY ERASE
CP-103P; SUB CONTROL PANEL



RE-34

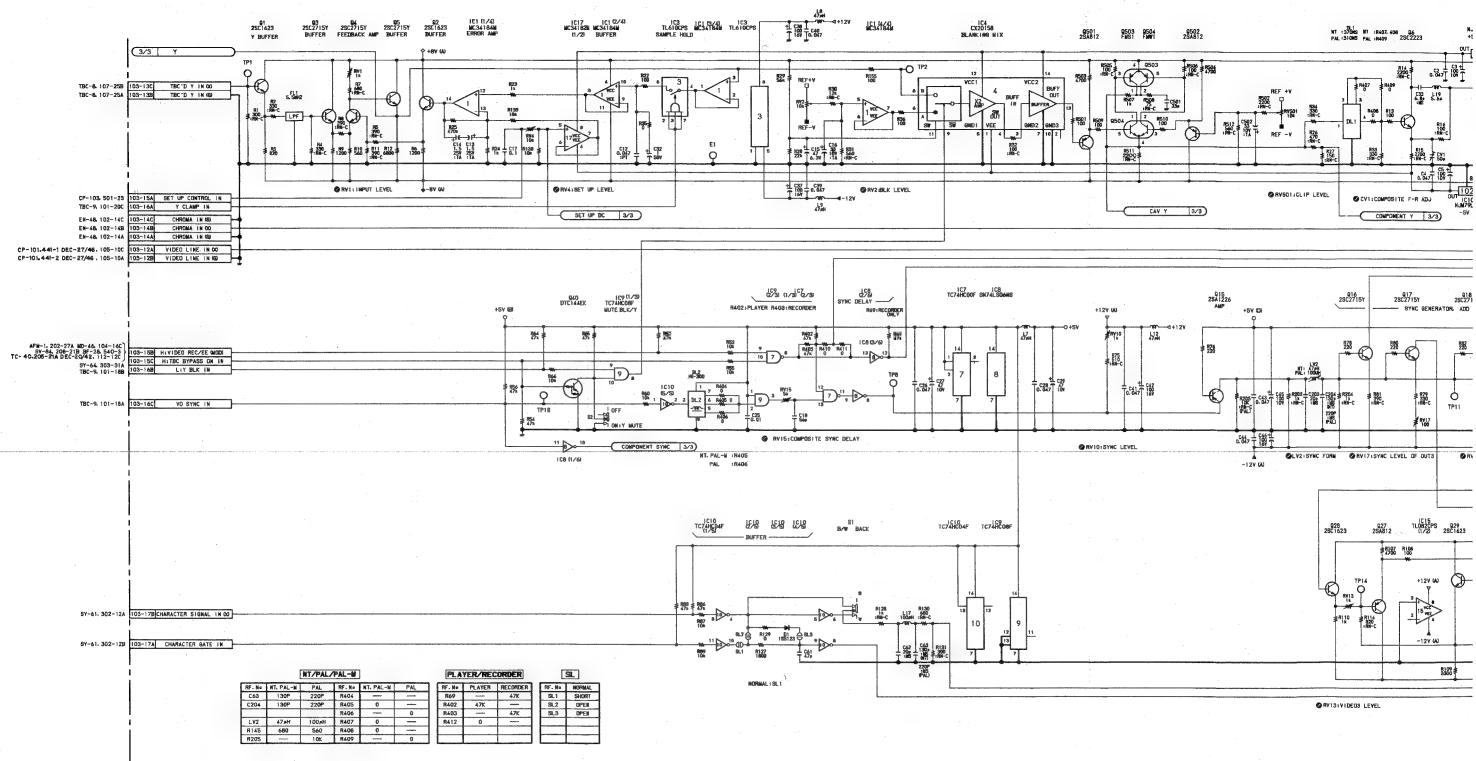
1-622-552-12
BVW-70P
BVW-75P
BVW-96P

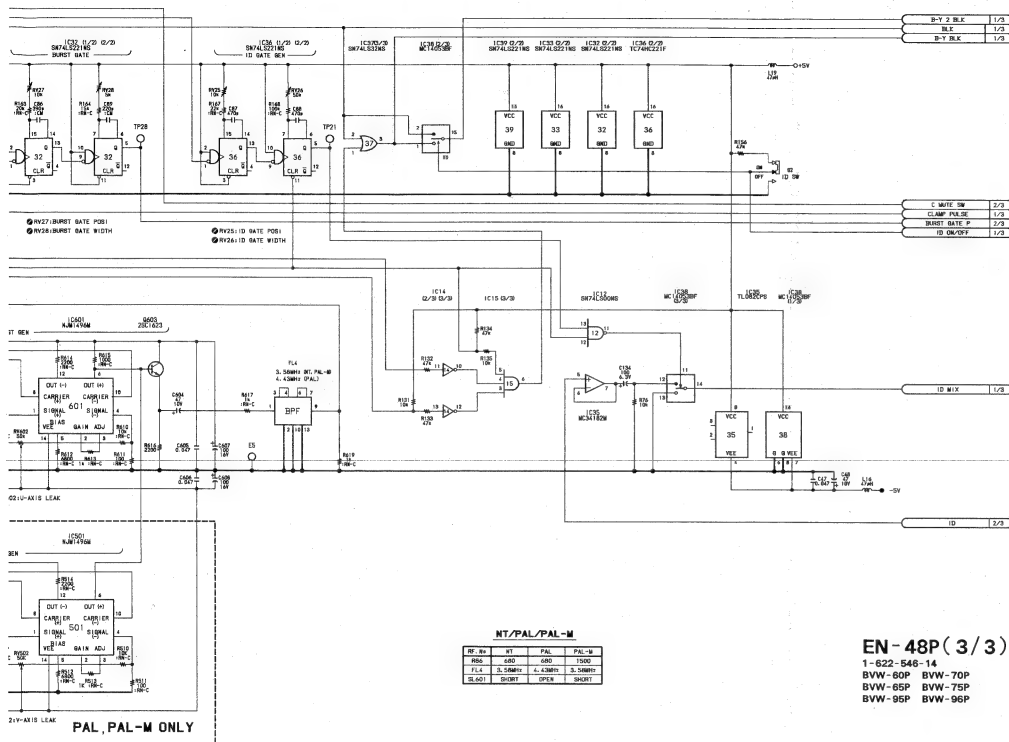




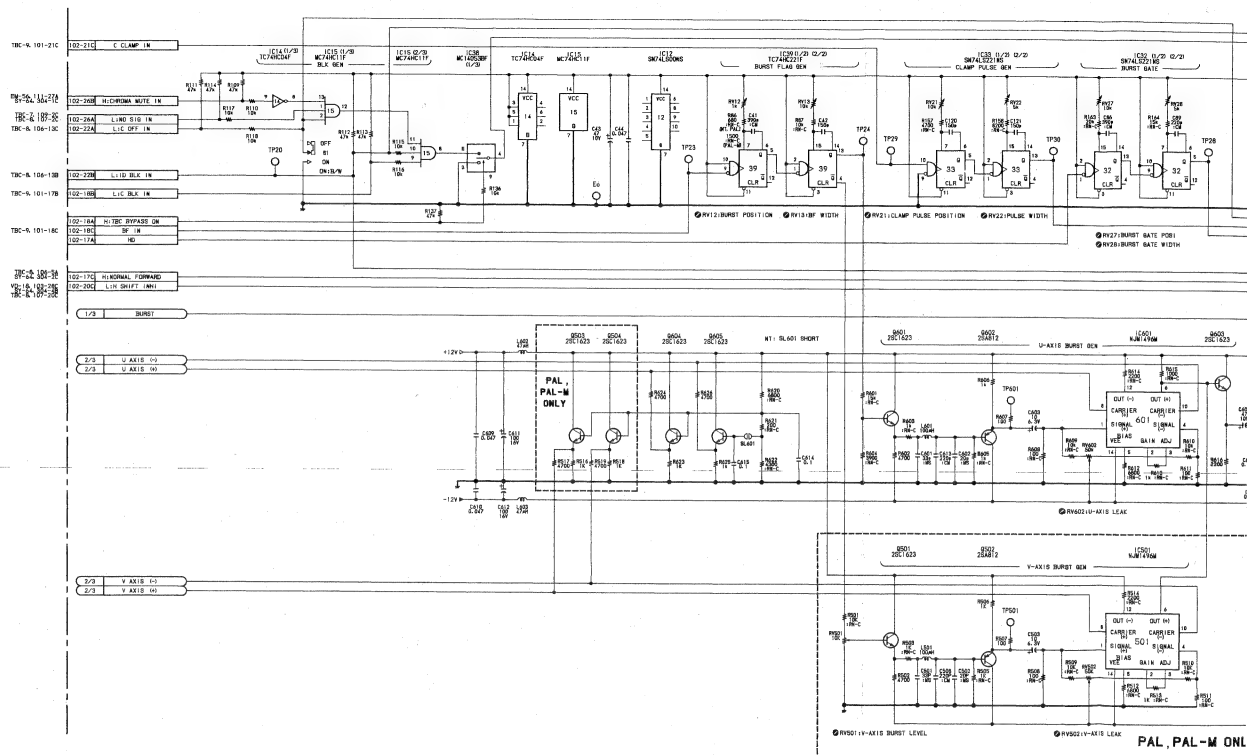
VO-18P(1/3)

1-622-547-15, 16
 BVW-70P
 BVW-75P
 BVW-90P





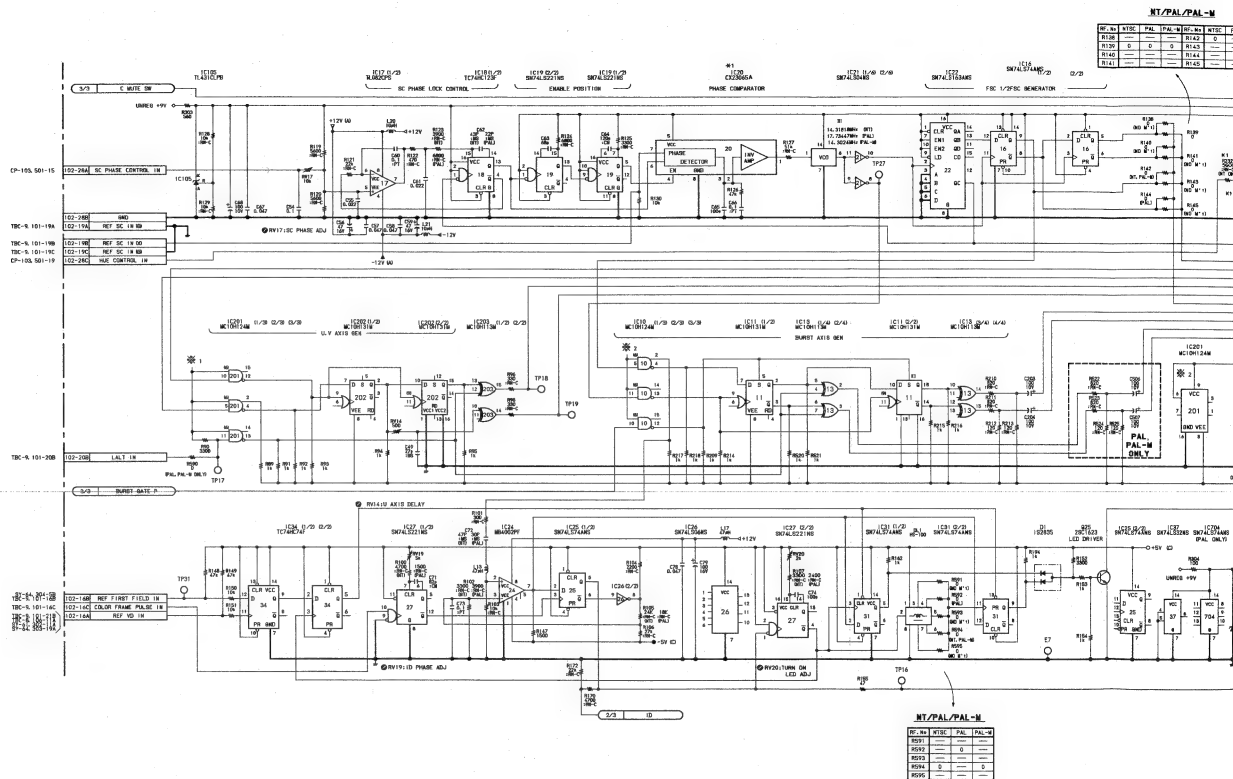
48P (3/3) ; C BLK/BURST GENERATOR

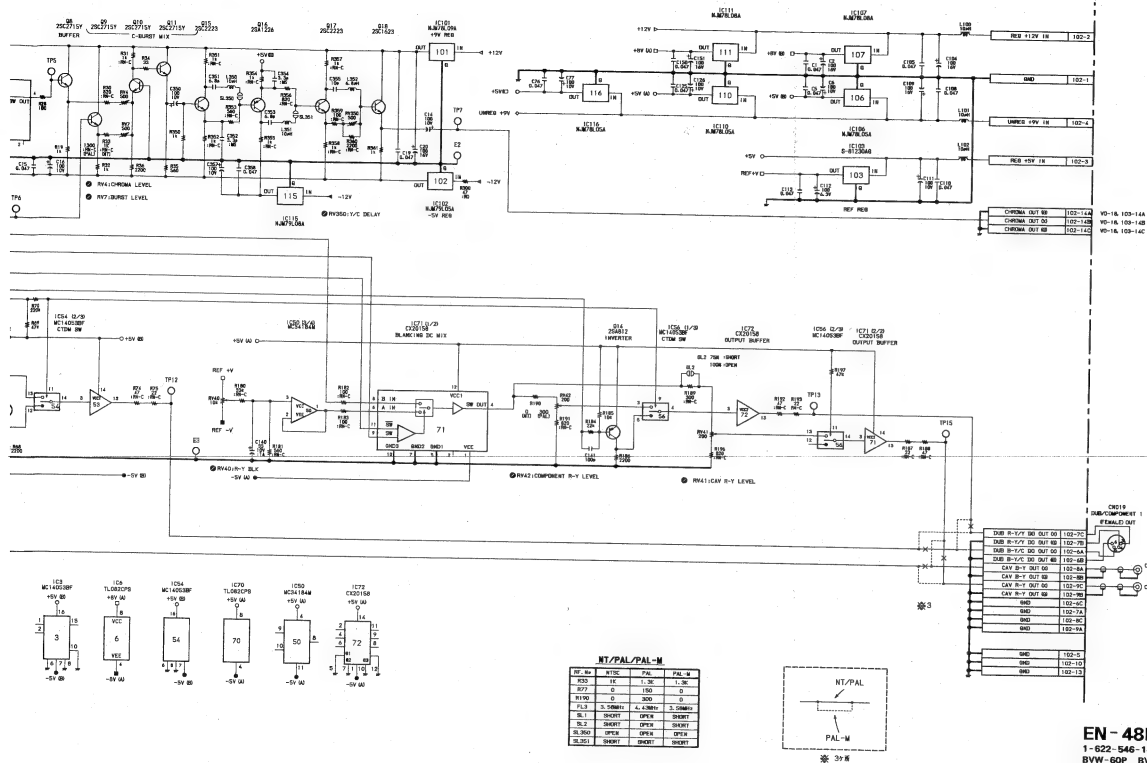


N-48P (2/3); SC GENERATOR

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
#1	IC20 C02305 → C02305A IC204 C02305 → C02305A	S/N 12548 ~

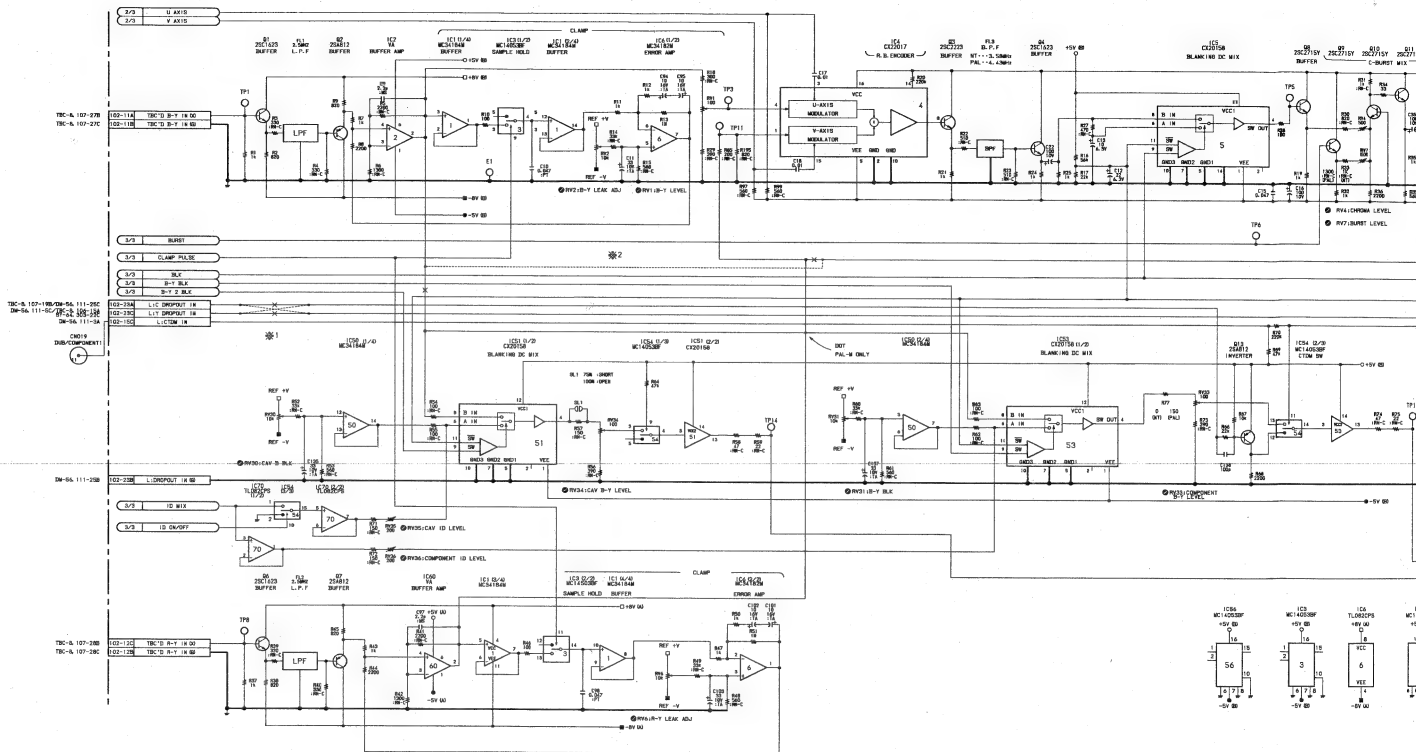




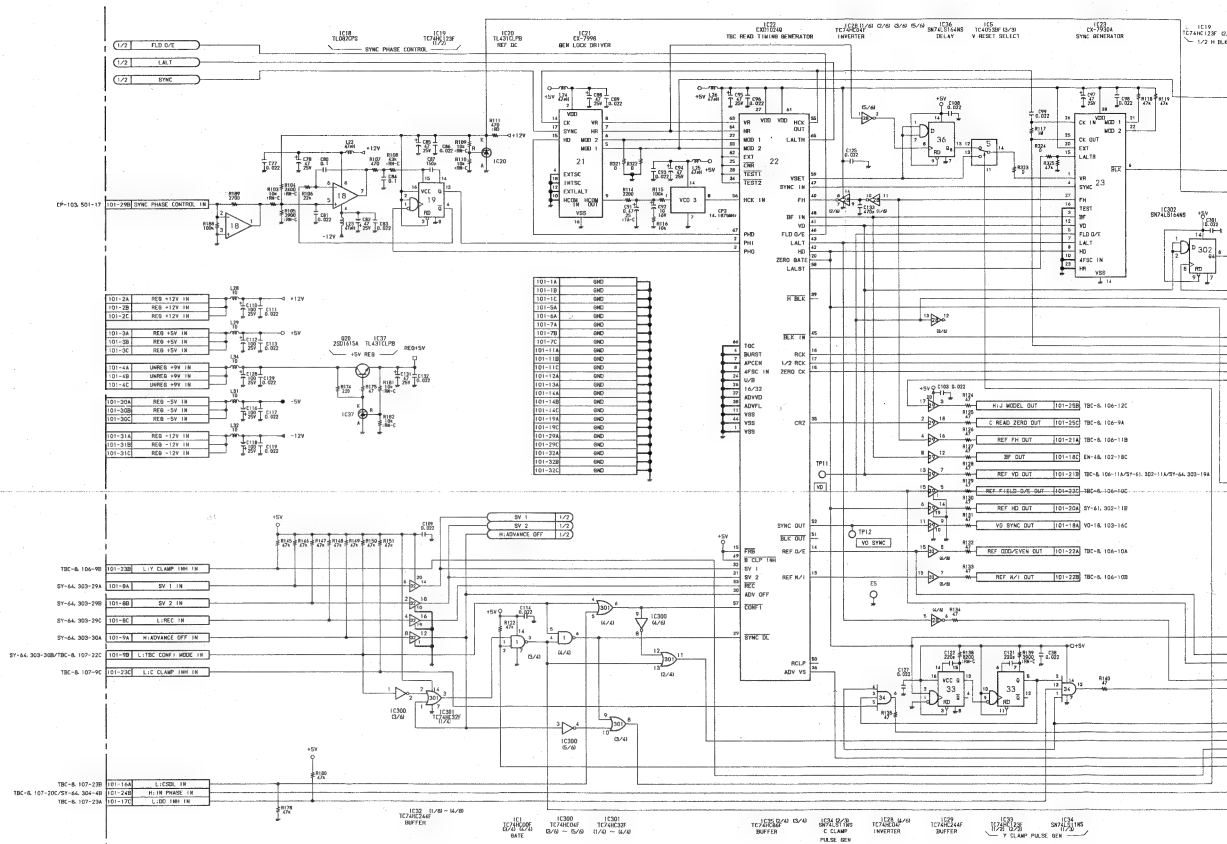
EN-48P (1/3)

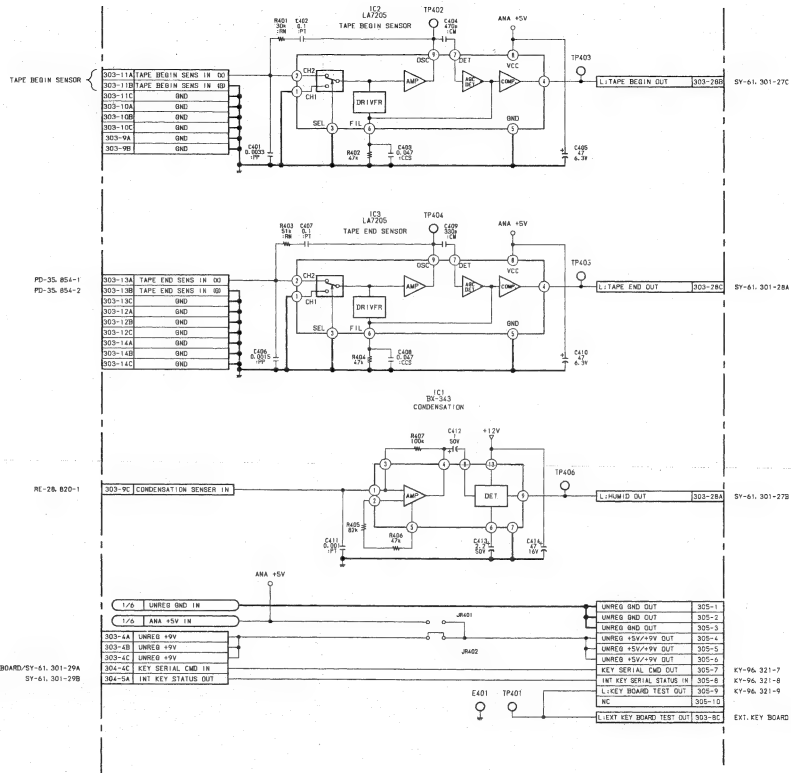
1-622-546-14
 BVW-60P BVW-70P
 BVW-85P BVW-75P
 BVW-95P BVW-95P

-48P (1/3) ; C ENCODER



C-9P (2/2); TBC READ TIMING GENERATOR





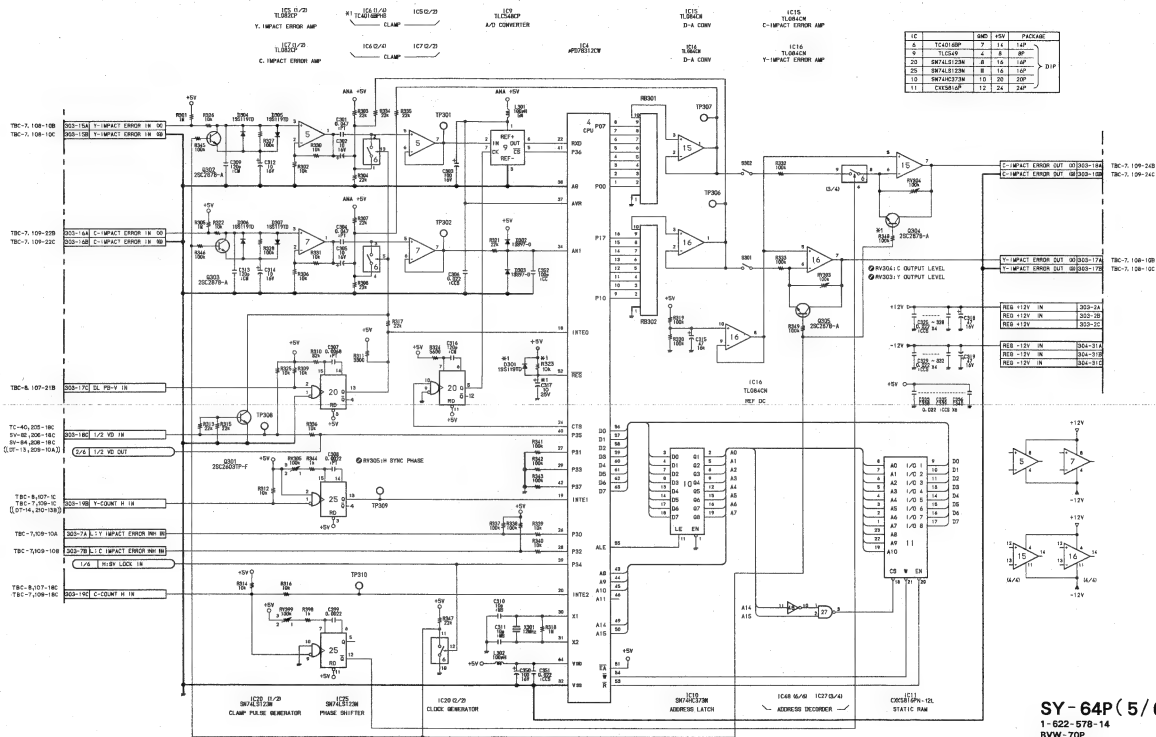
SY-64P (6/6)

1-622-578-14
BVW-75P
BVW-96P

- 64 P (5/6) ; TIME BASE IMPACT ERROR CORRECTOR
- 64 P (6/6) ; SENSOR AMPLIFIER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC6 TC4016BP → TC4016BP1B R348 100k DELETED	S/N 12548 ~



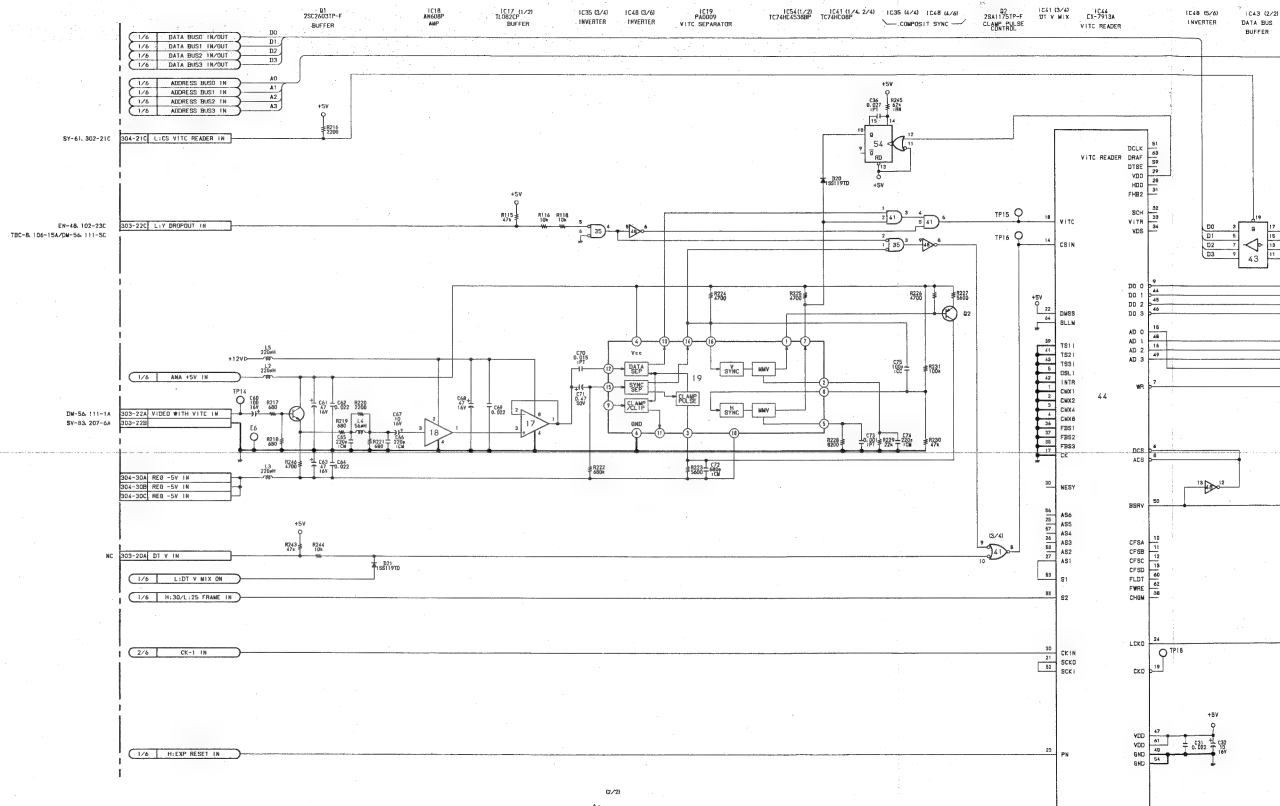
SY-64P(5/6)
1-622-578-14
BVW-70P
BVW-75P
BVW-96P



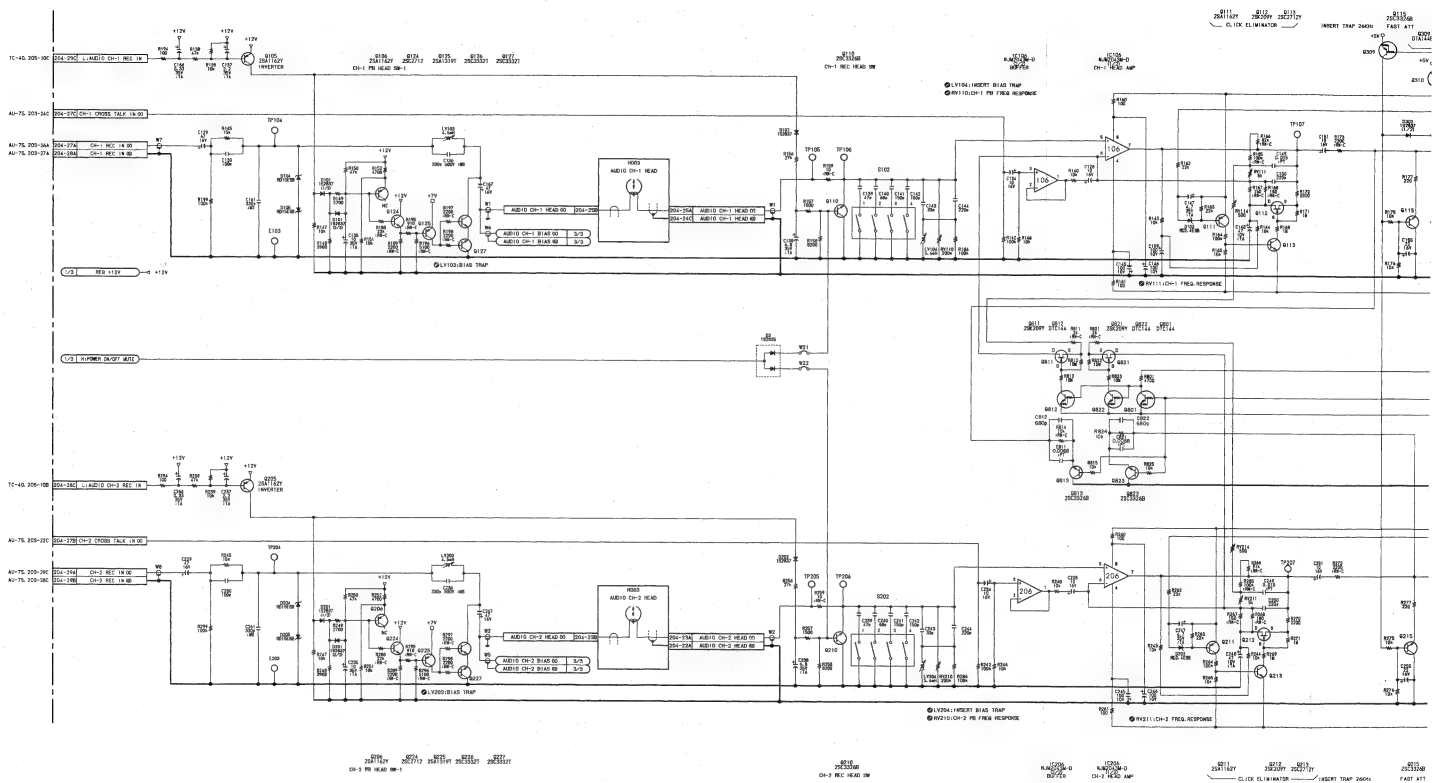
SY-64P (4/6)

1-622-578-14
BVW-70P
BVW-75P
BVW-95P

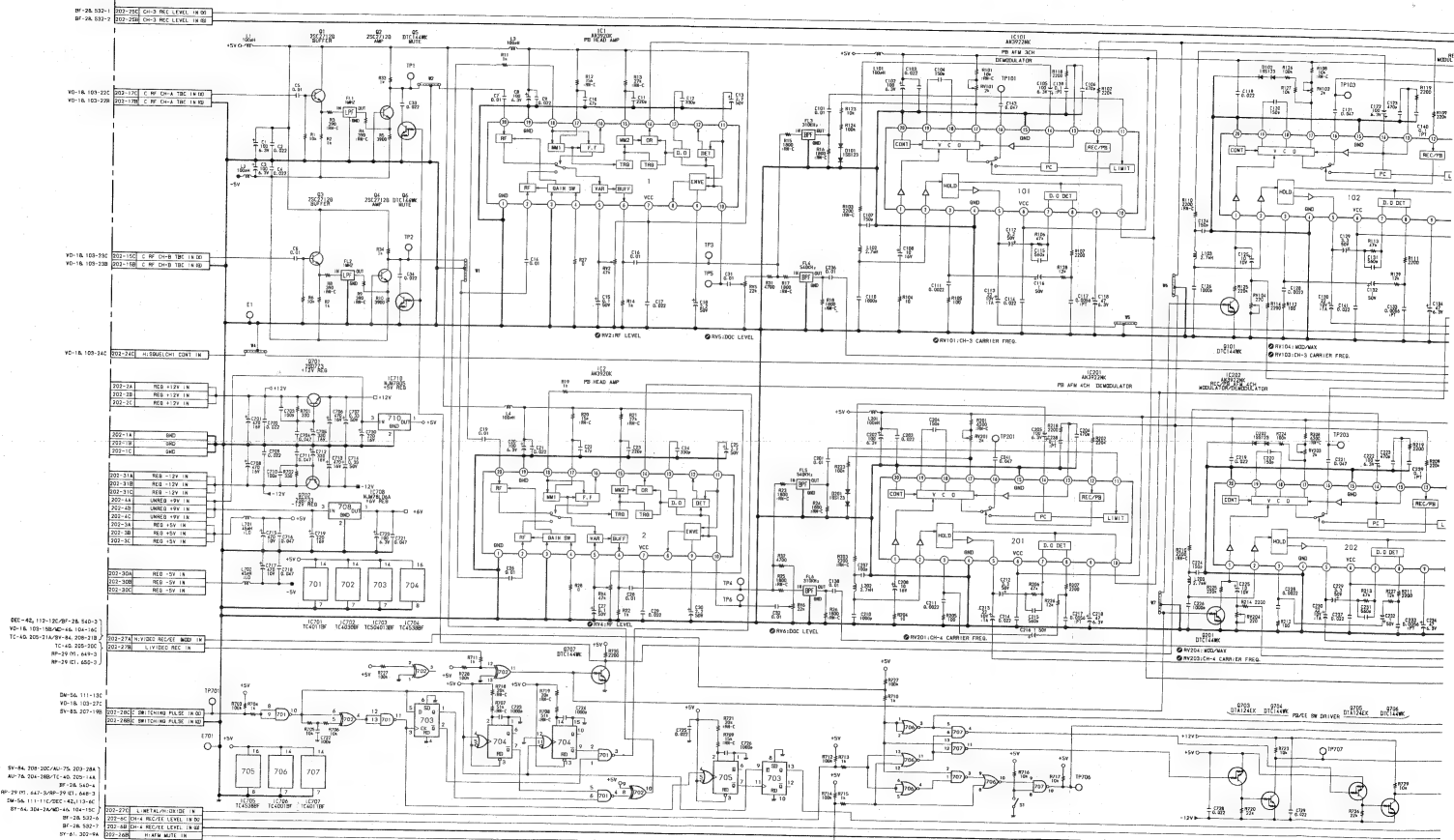
SY-64P (4/6); VITC READER

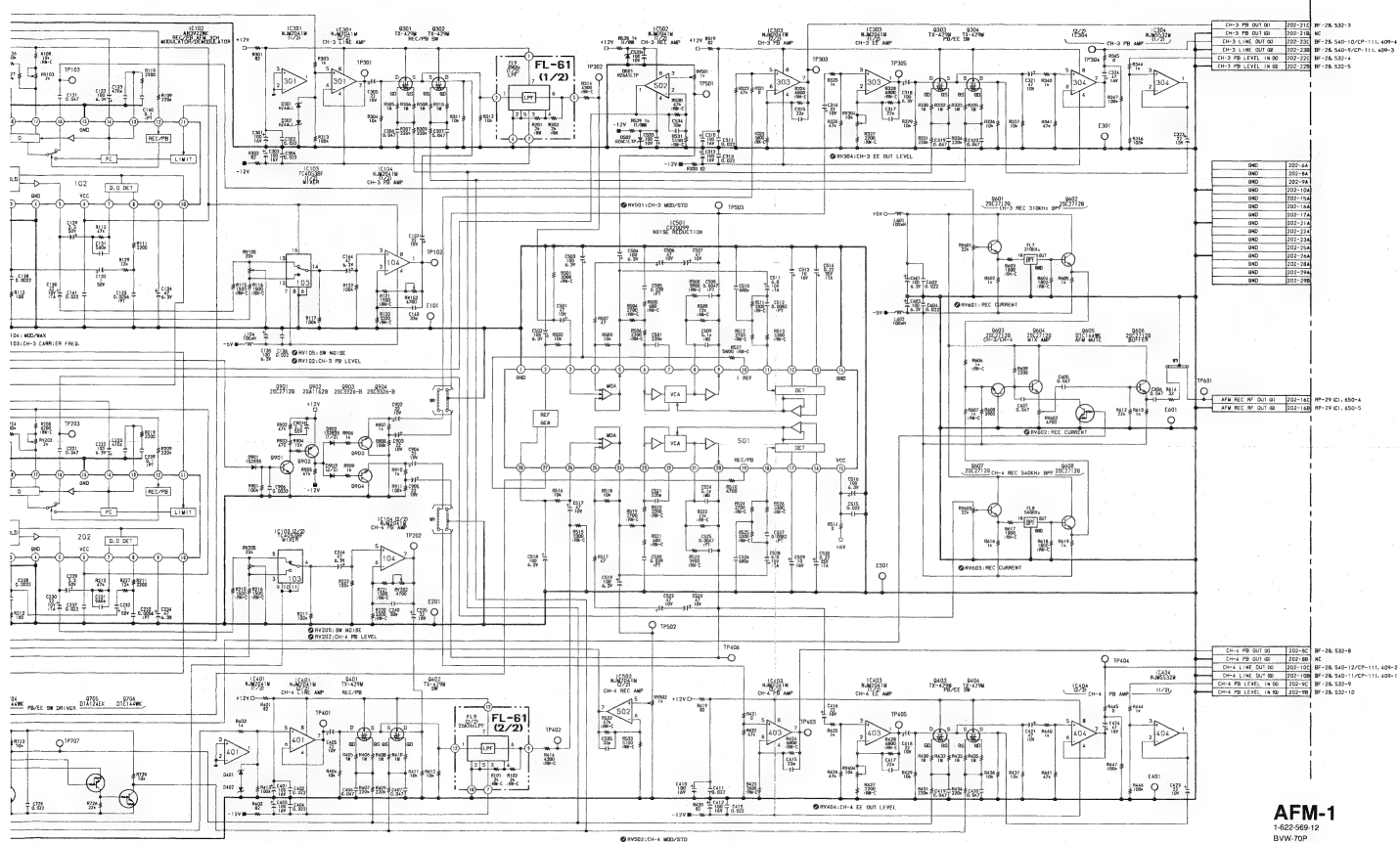


AU-76P (2/3); LNC AUDIO HEAD AMPLIFIER



M-1 ; AFM AUDIO MODULATOR/DEMODULATOR
L-61 ; LOW PASS FILTER

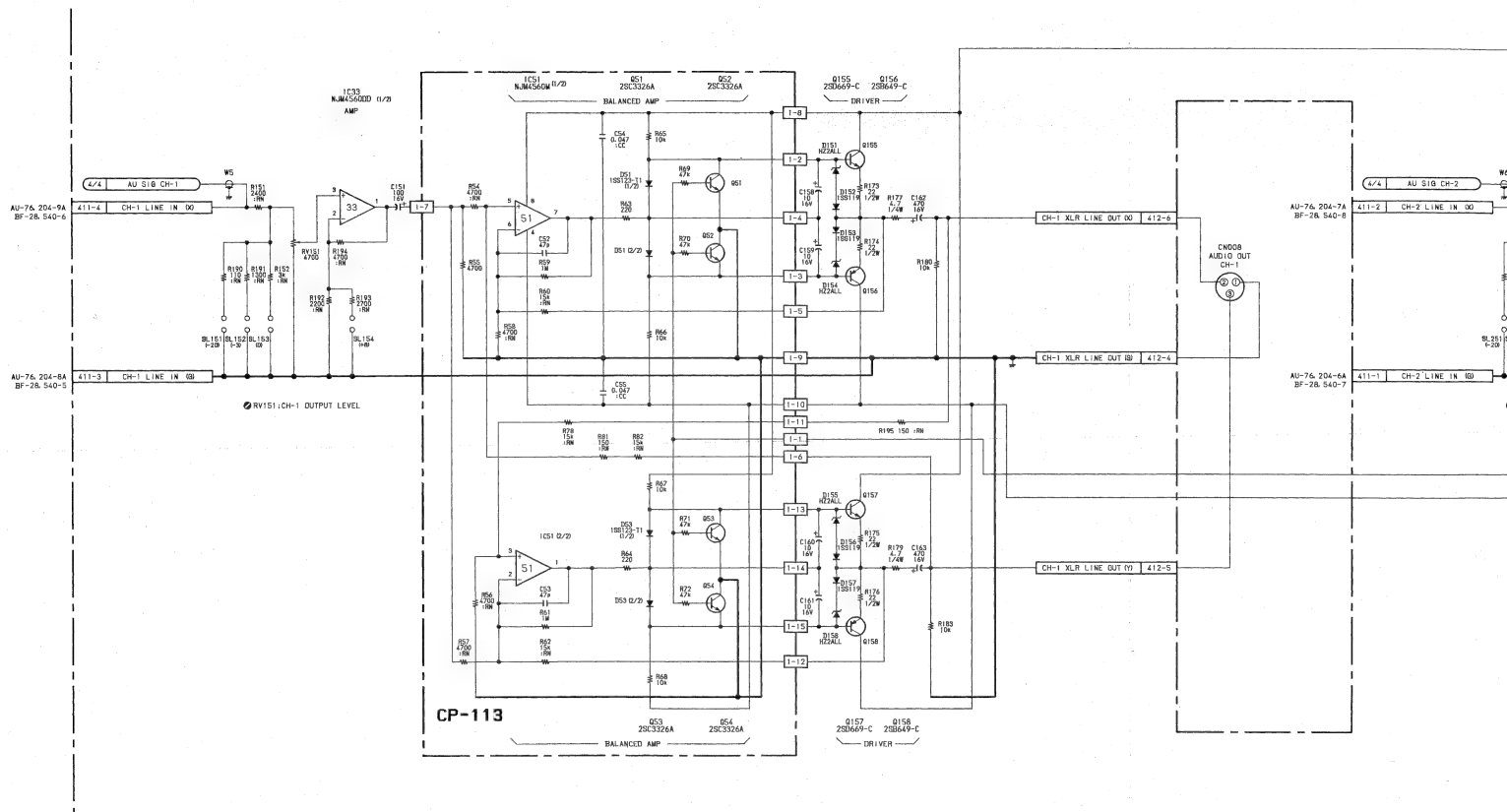


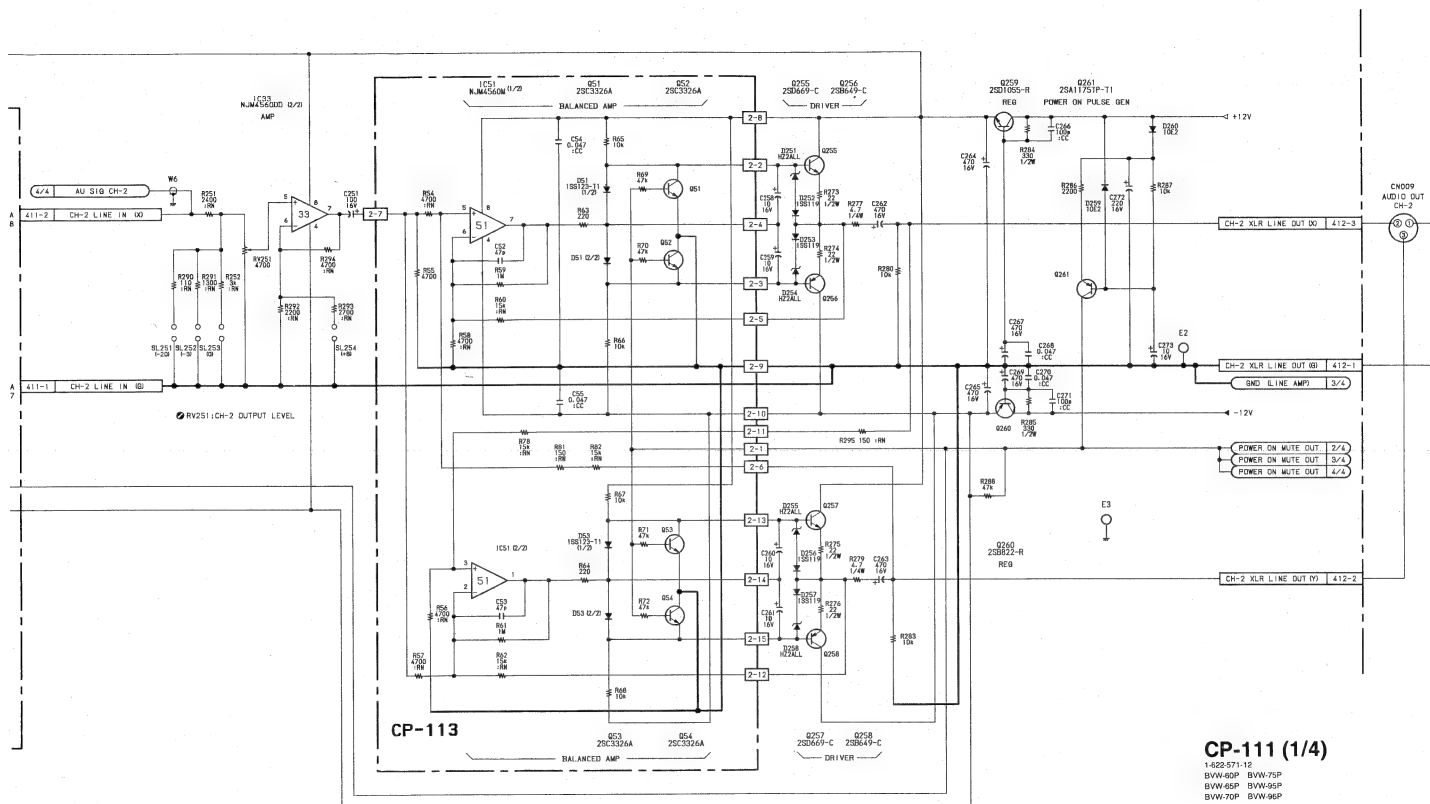


AFM-1

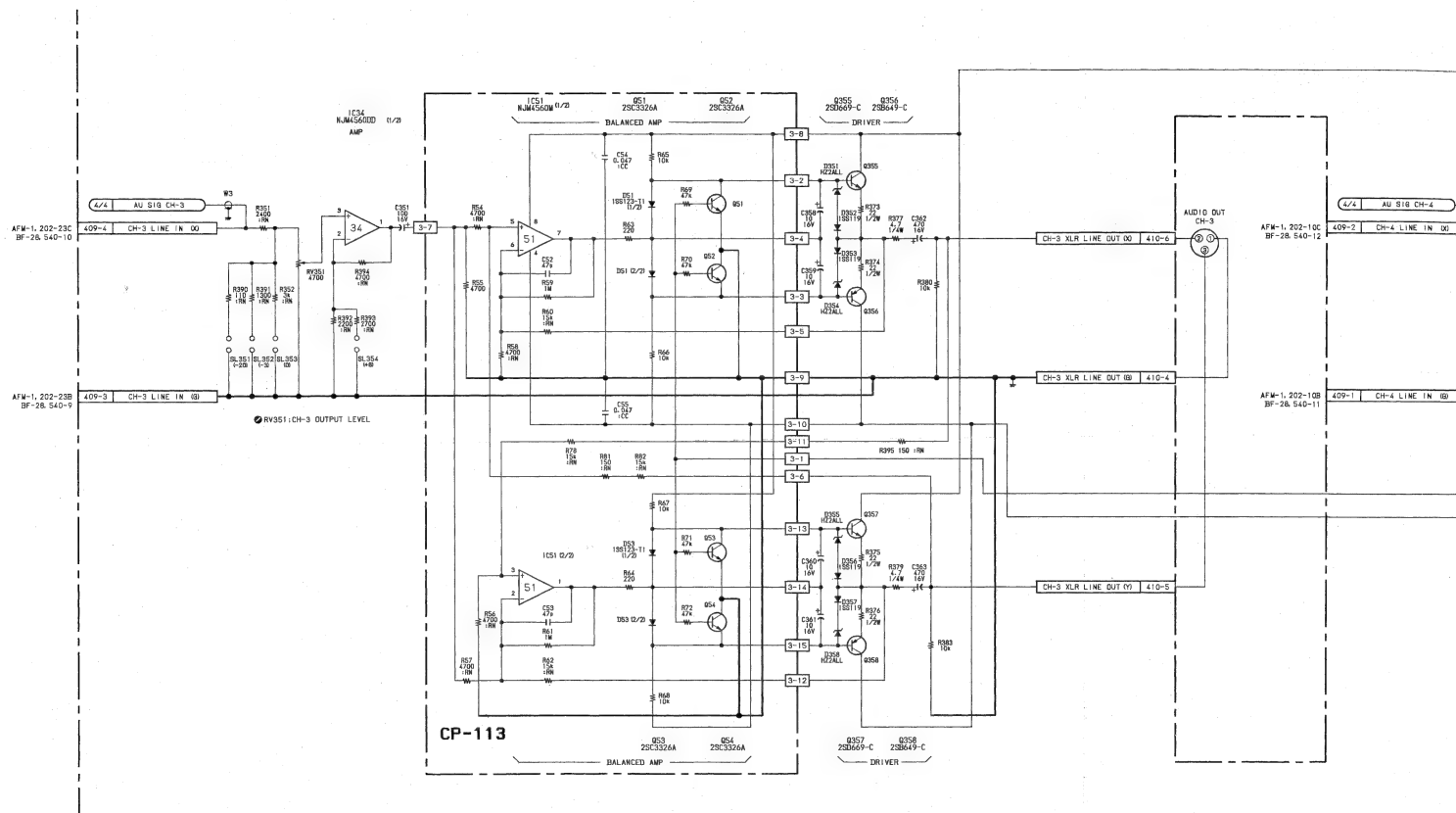
1-622-569-12
BVW-70P
BVW-75P
BVW-96P

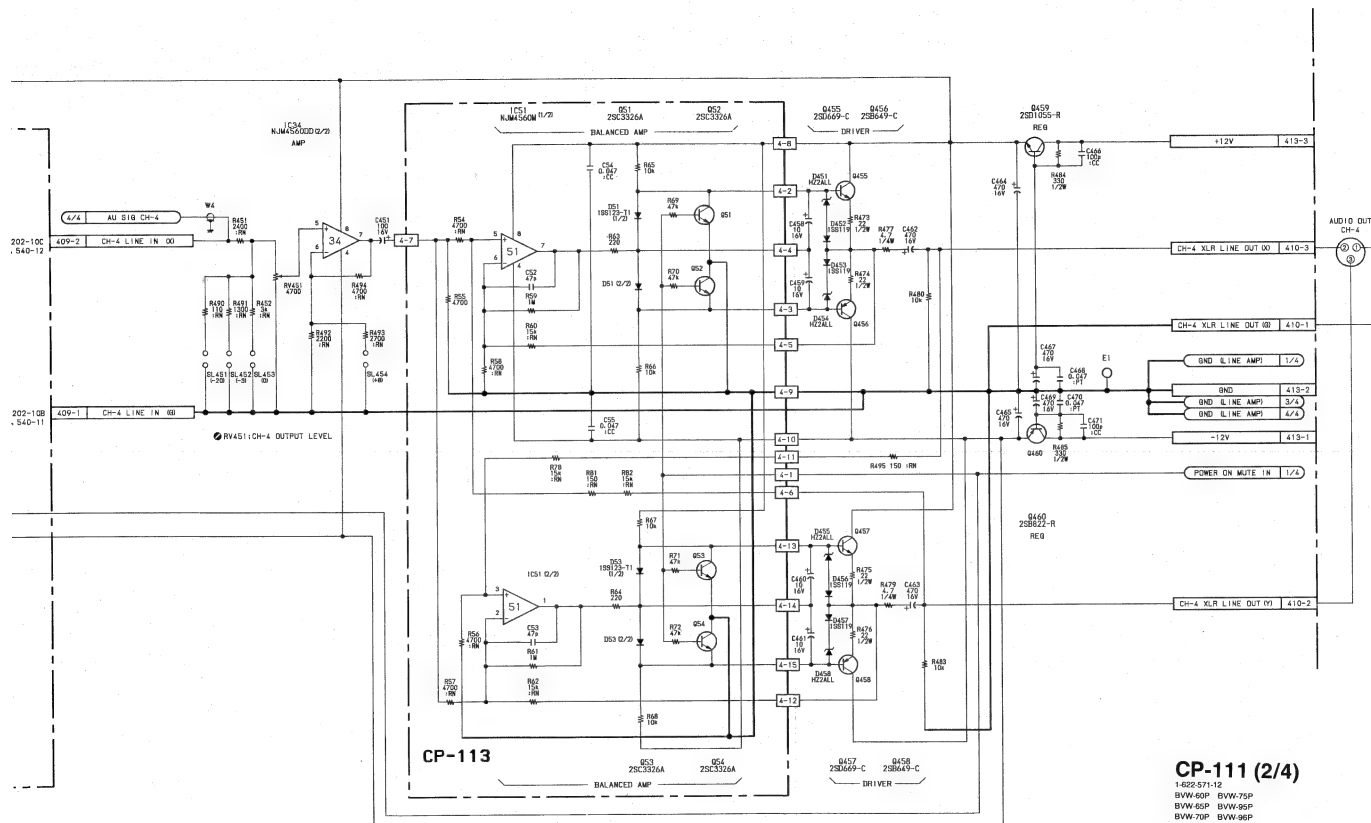
-111 (1/4); AUDIO OUTPUT AMPLIFIER/DRIVER
-113; AUDIO BALANCED AMPLIFIER



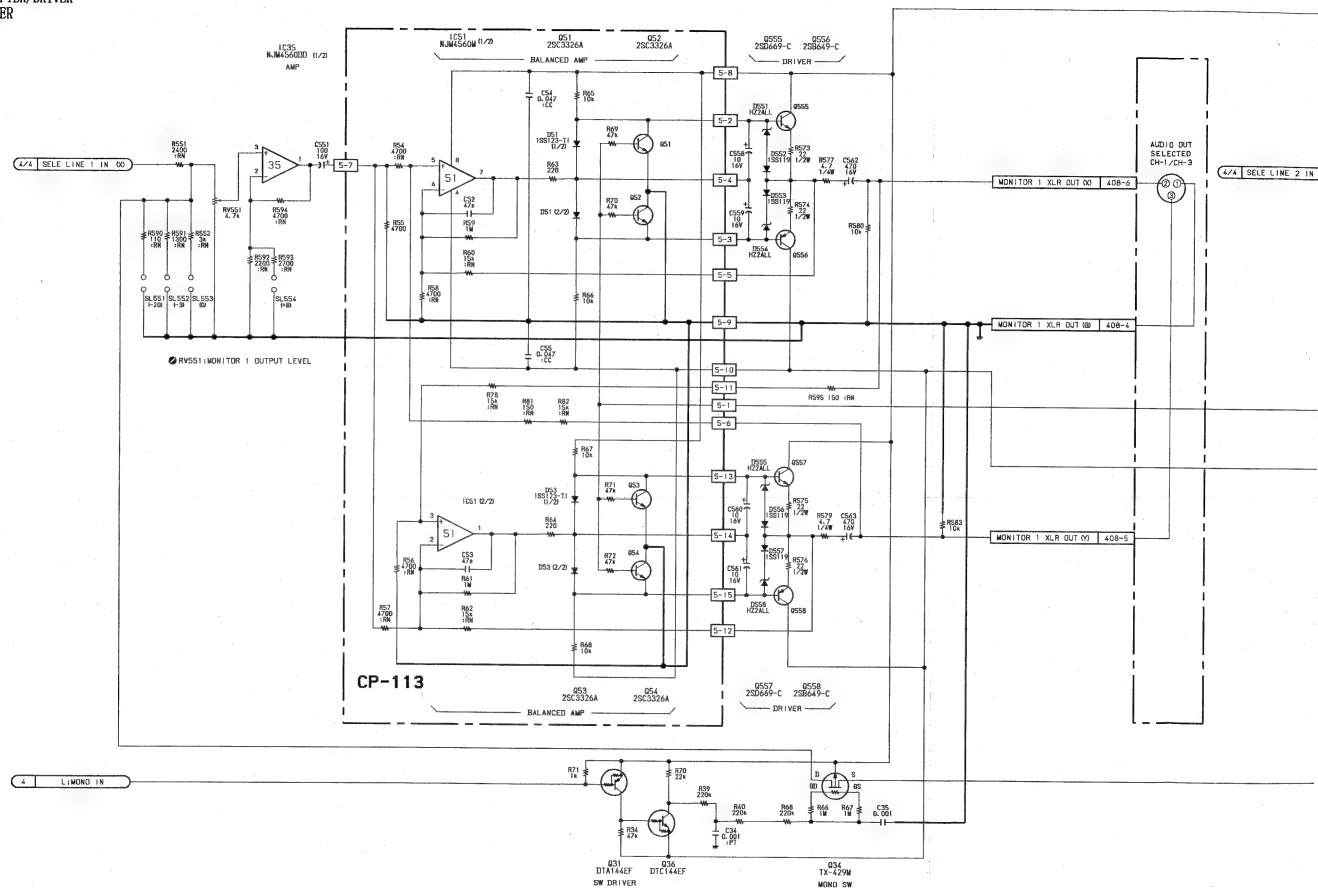


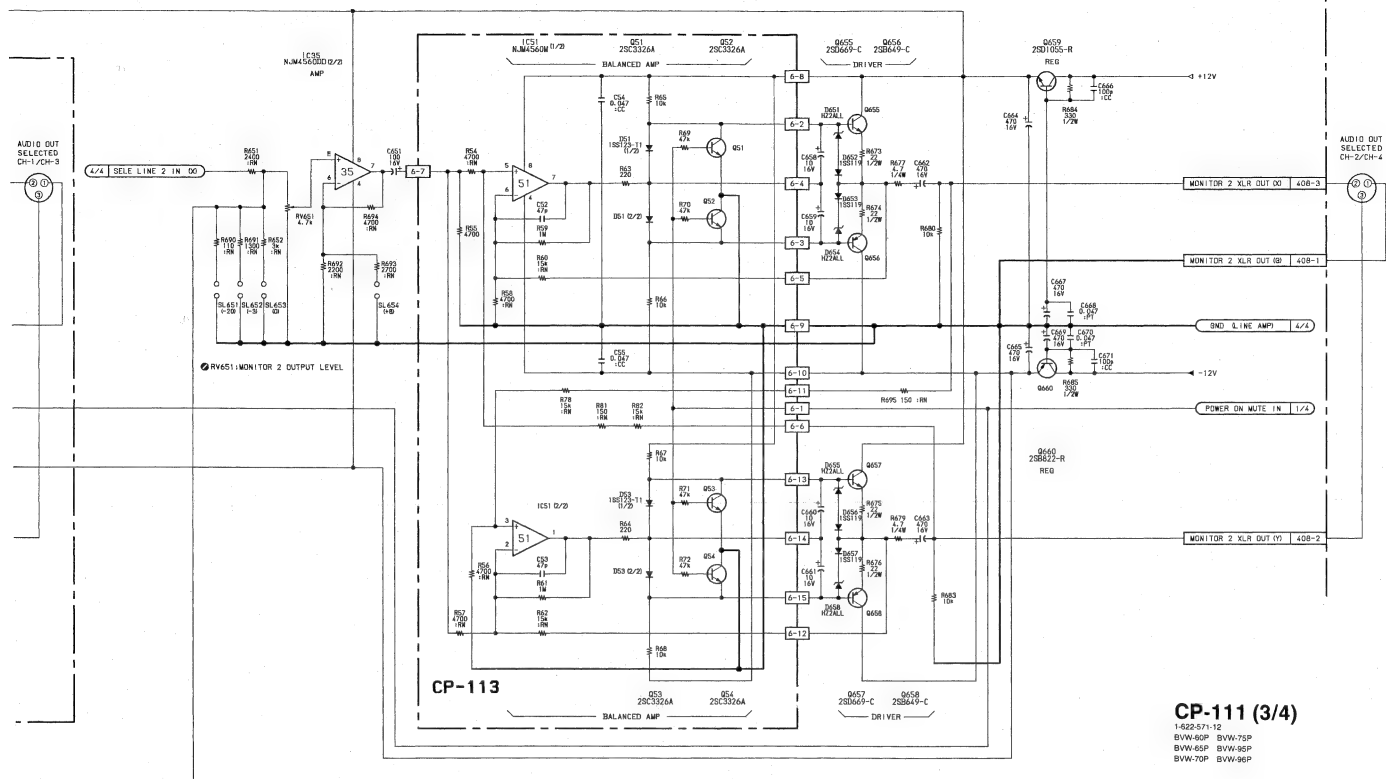
-111 (2/4); AUDIO OUTPUT AMPLIFIER/DRIVER
P-113; AUDIO BALANCED AMPLIFIER





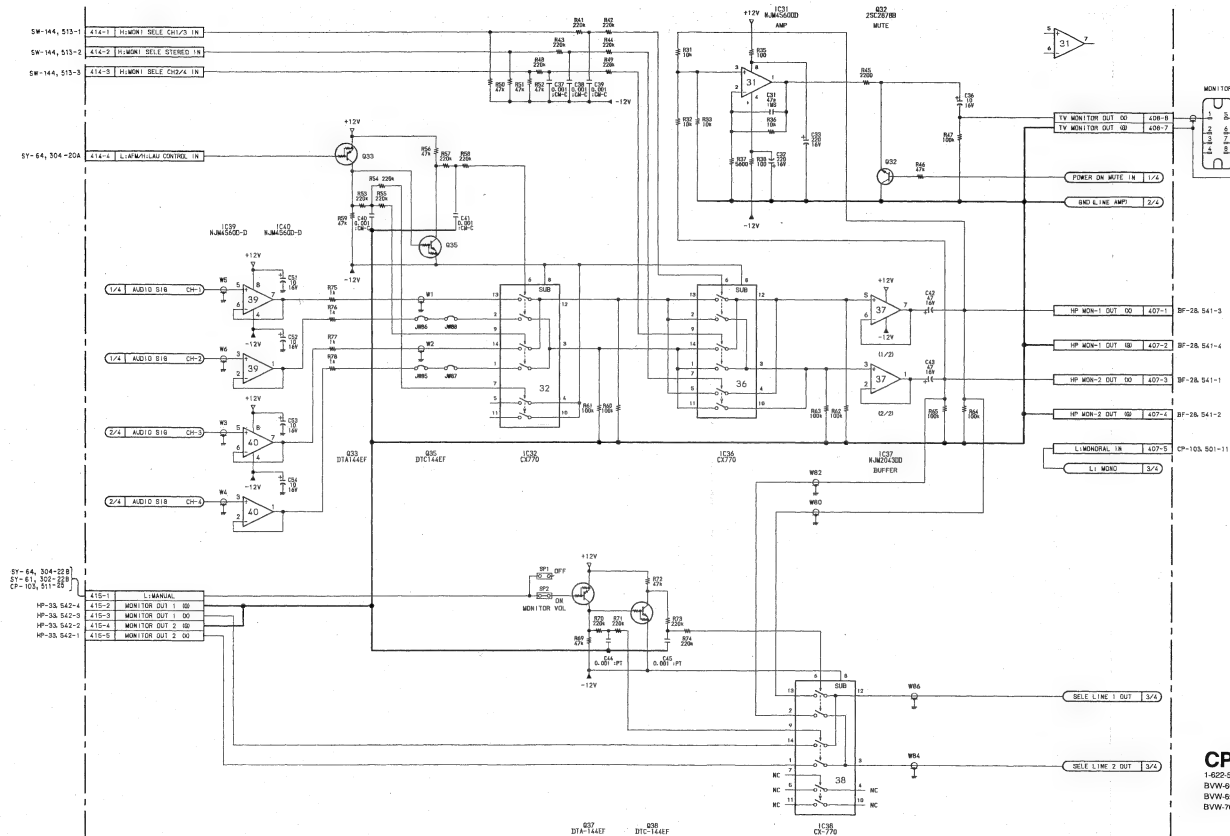
-111 (3/4); AUDIO OUTPUT AMPLIFIER/DRIVER
P-113; AUDIO BALANCED AMPLIFIER

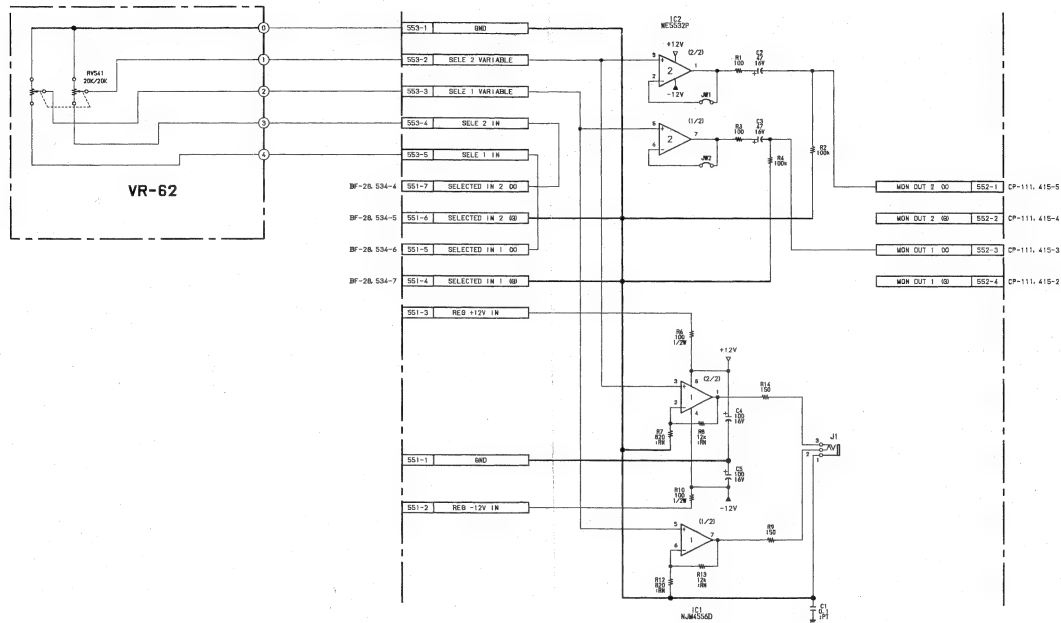




1422-571-12
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-95P

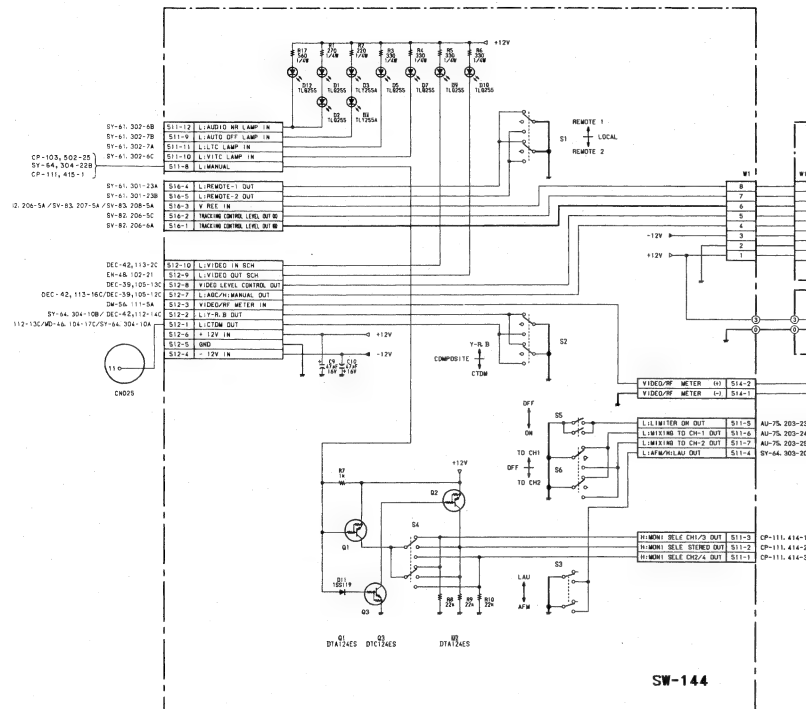
- 111 (4/4); AUDIO MONITOR SELECT/OUTPUT
- 33; HEADPHONES AMPLIFIER/JACK
- 62; HEADPHONES LEVEL VOLUME



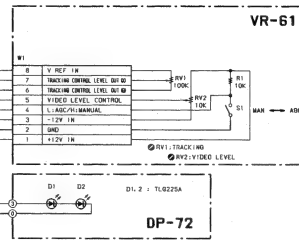


HP-33
1-622-596-13
BVW-60P BVW-75P
BVW-65P BVW-65P
BVW-70P BVW-90P

- 144; SELECT SWITCH/DISPLAY
- 61; VIDEO/TRACKING CONTROL VOLUME
- 72; VIDEO/RF METER LED
- 74; AUDIO LEVEL METER CONTROLLER/DRIVER
- 73; DC-AC/DC CONVERTER



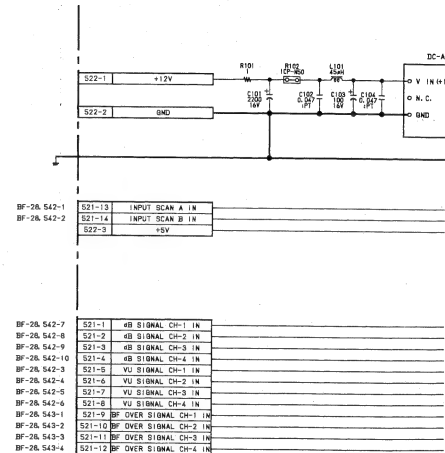
SW-144



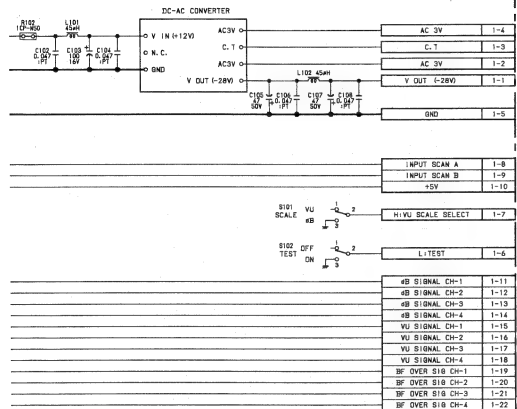
DP-72

SW-144

1-822-573-13
BWW-70P
BWW-75P

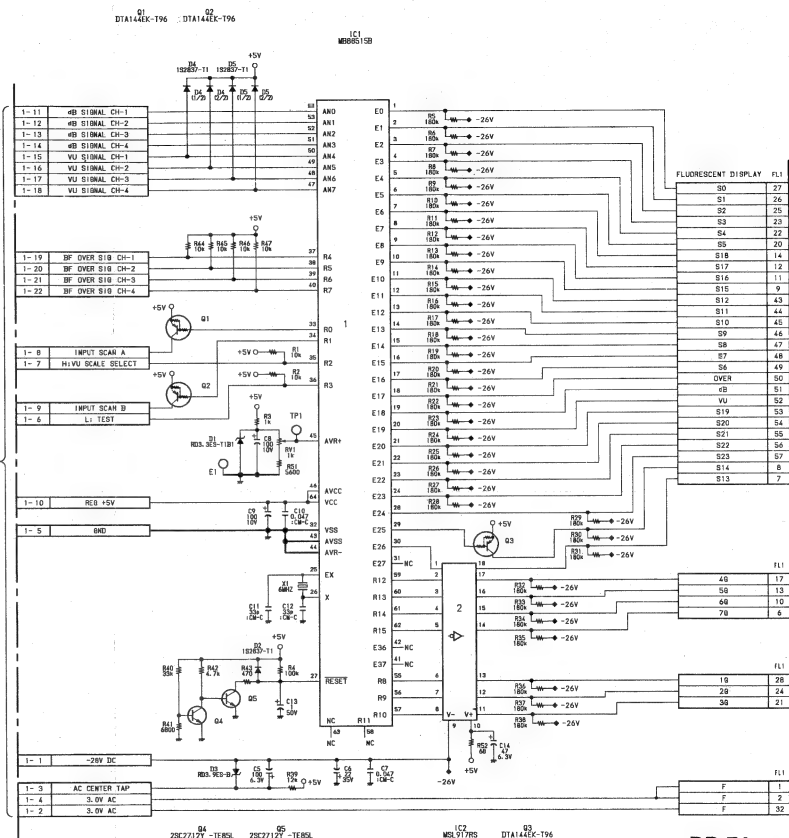


BF-28, 542-7	S21-1	VB SIGNAL CH-1 IN
BF-28, 542-8	S21-2	VB SIGNAL CH-2 IN
BF-28, 542-9	S21-3	VB SIGNAL CH-3 IN
BF-28, 542-10	S21-4	VB SIGNAL CH-4 IN
BF-28, 542-3	S21-5	VU SIGNAL CH-1 IN
BF-28, 542-4	S21-6	VU SIGNAL CH-2 IN
BF-28, 542-5	S21-7	VU SIGNAL CH-3 IN
BF-28, 542-6	S21-8	VU SIGNAL CH-4 IN
BF-28, 543-1	S21-9	BF OVER SIGNAL CH-1 IN
BF-28, 543-2	S21-10	BF OVER SIGNAL CH-2 IN
BF-28, 543-3	S21-11	BF OVER SIGNAL CH-3 IN
BF-28, 543-4	S21-12	BF OVER SIGNAL CH-4 IN



DP-73

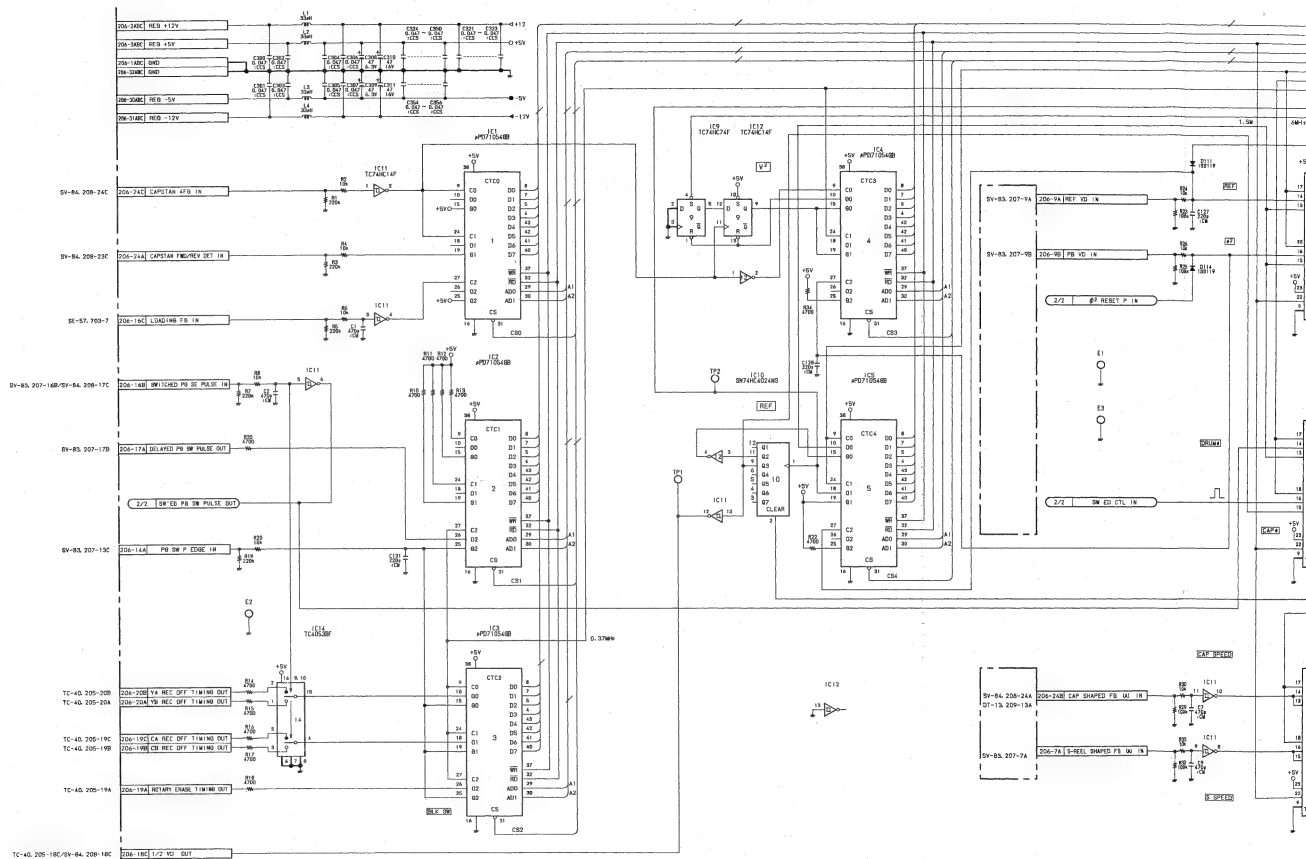
1-822-575-12
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P



DP-74

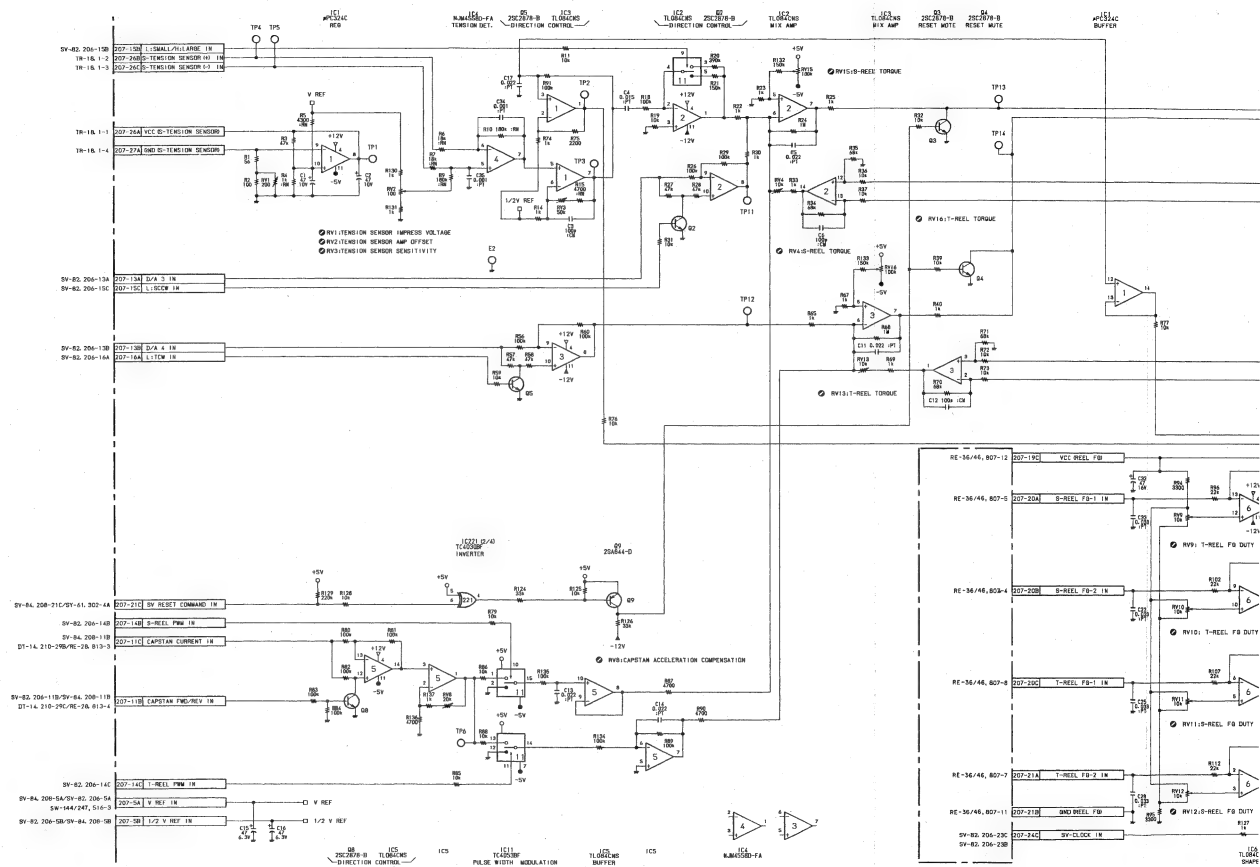
1-622-576-12
 BVW-60P BVW-75P
 BVW-65P BVW-95P
 BVW-70P BVW-96P

SV-82 (1/2); COUNTER



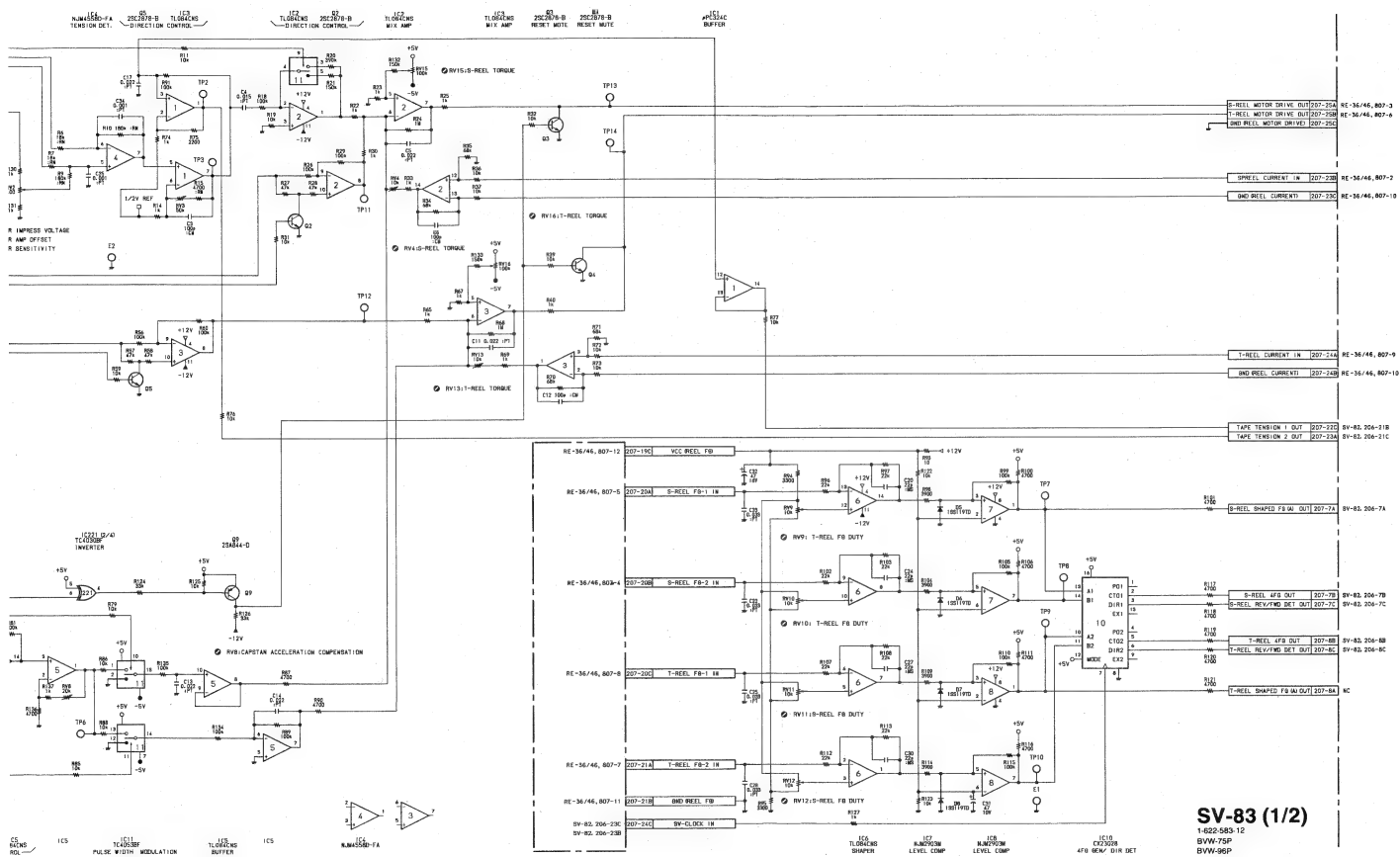


SV-83 (1/2); REEL SERVO



16-302

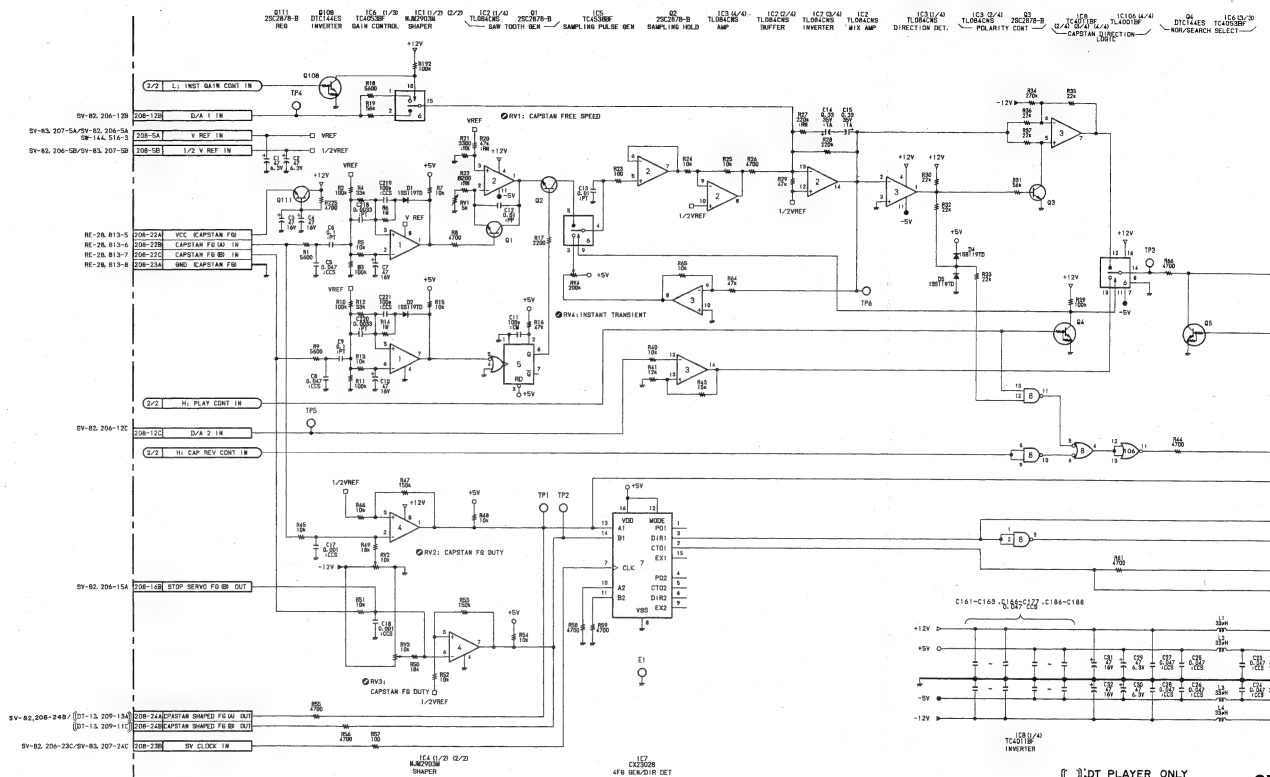
16-303



SV-83 (1/2)

1-625-585-12
BVW-75P
BVW-96P

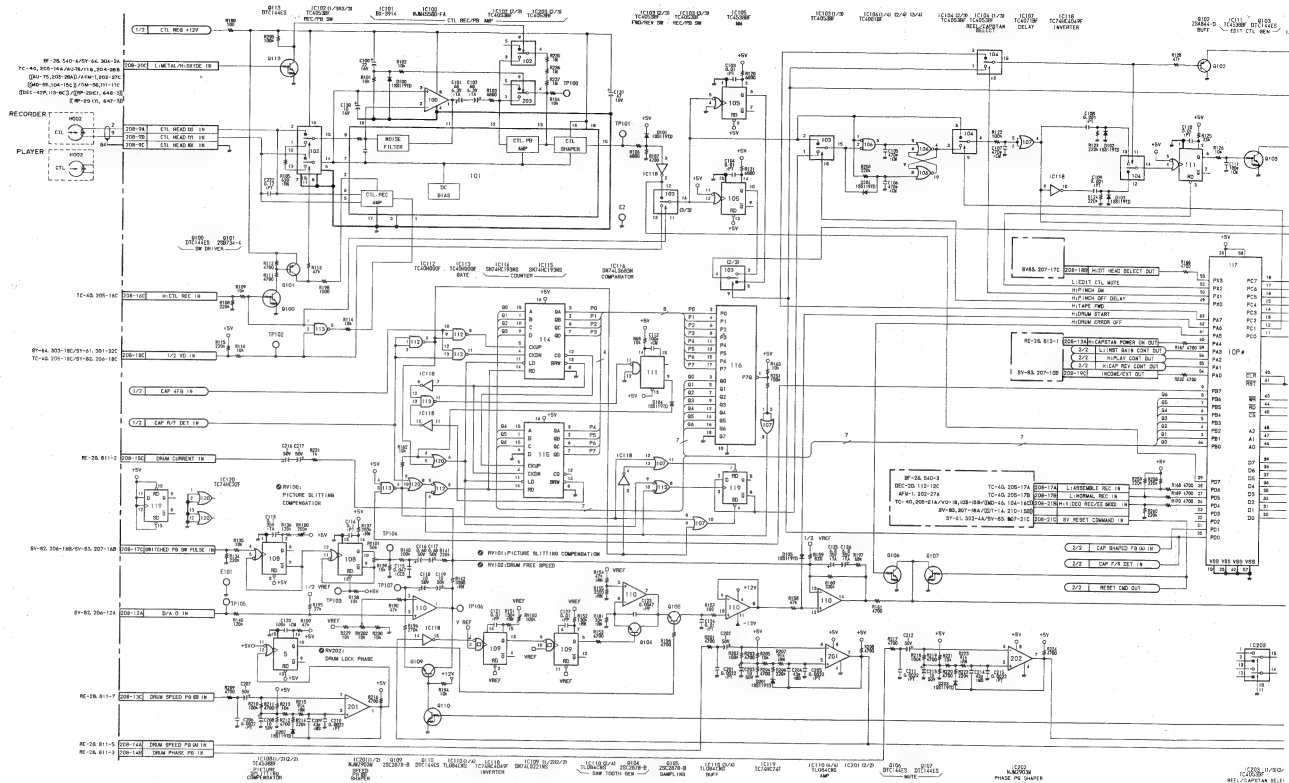
SV-84P (1/2) ; CAPSTAN SERVO



[[]];DT PLAYER ONLY

S'
1-€
BV\

SV-84P (2/2); DRUM SERVO, CTL REC/PB AMPLIFIER



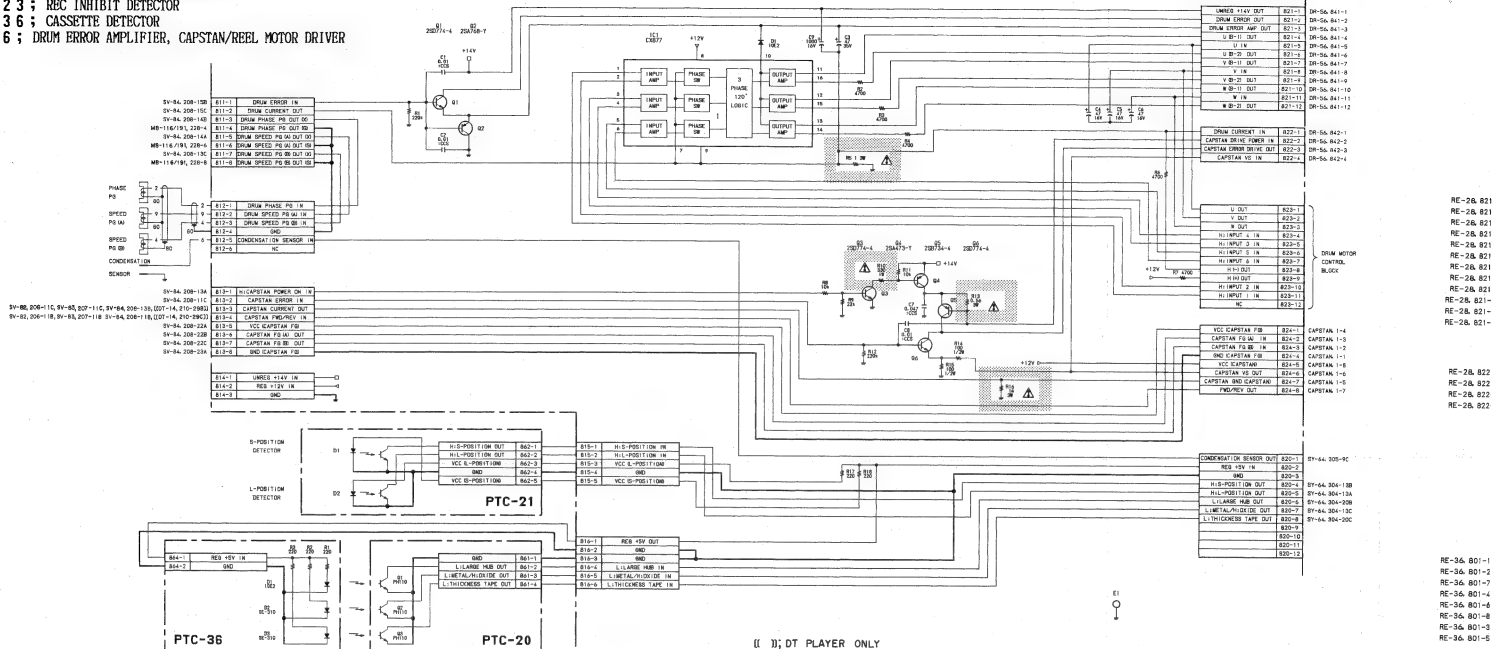
[] NOT PLAYER ONLY
 [] RECORDER ONLY



1-622-584-13
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P

() DT PLAYER ONLY
() RECORDER ONLY

RE-28; DRUM/CAPSTAN MOTOR DRIVER
 PTC-20; CASSETTE DETECTOR
 PTC-21; REEL TABLE POSITION DETECTOR
 PTC-23; REC INHIBIT DETECTOR
 PTC-36; CASSETTE DETECTOR
 DR-56; DRUM ERROR AMPLIFIER, CAPSTAN/REEL MOTOR DRIVER

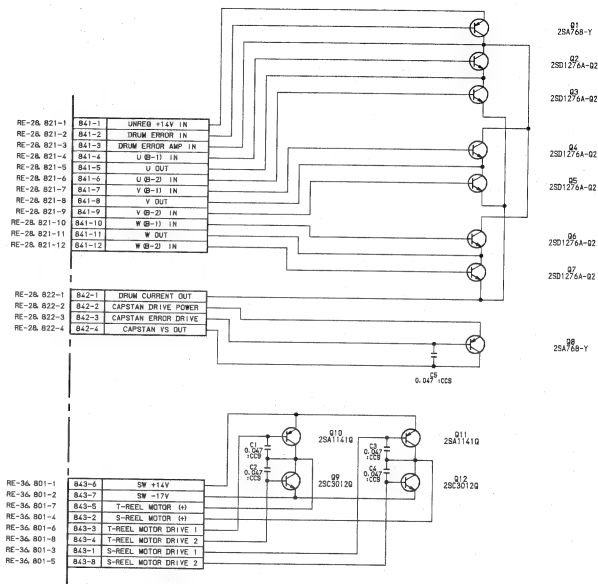


RE-28

1-622-559-12
 BW-60P BWV-70P
 BWV-65P BWV-75P
 BWV-95P BWV-96P

NOTE:

The shaded and marked components are critical to safety.
 Replace only with same components as specified.



DR - 56

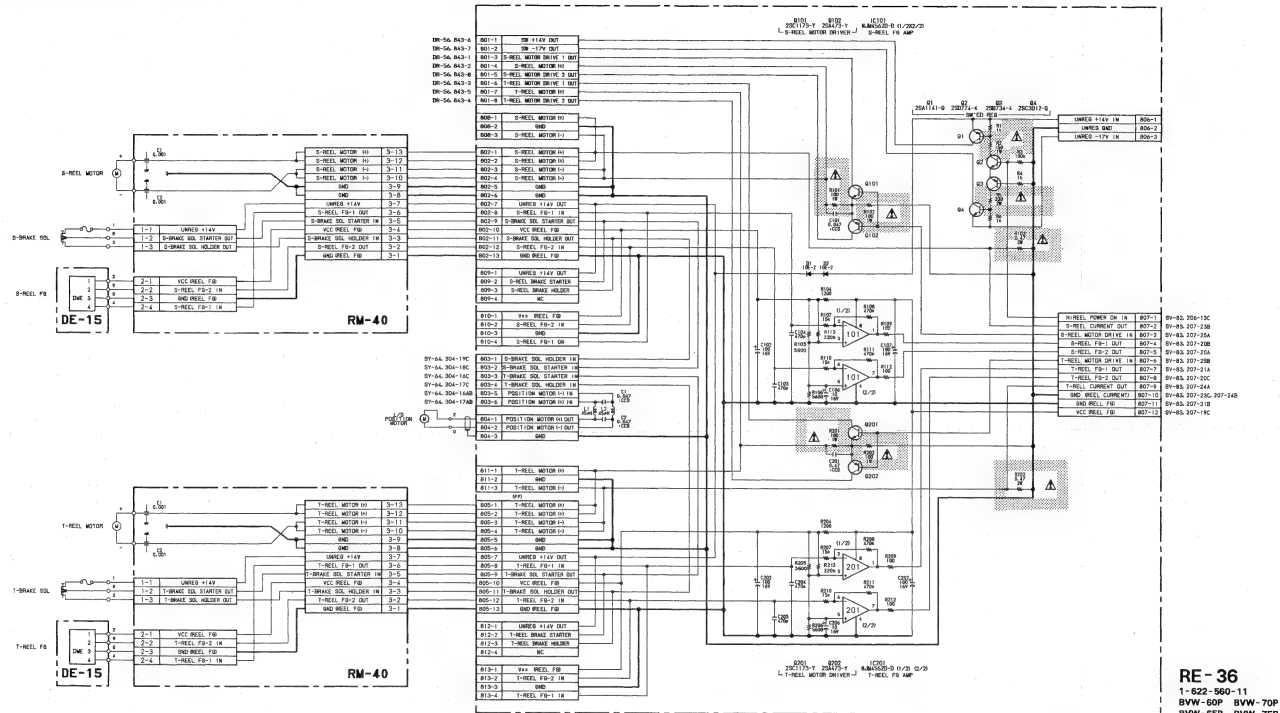
1-622-561-12
 BVW-60P BVW-70P
 BVW-65P BVW-75P
 BVW-95P BVW-96P

The shaded and -marked components are critical to safety.
Replace only with same components as specified.

(()); DT PLAYER ONLY

16-328

-36; REEL MOTOR DRIVER, REEL FG AMPLIFIER
-40; REEL MOTOR
-15; REEL FG
-57; THREADING MOTOR CONTROL
C-31; THREADING MOTOR FG



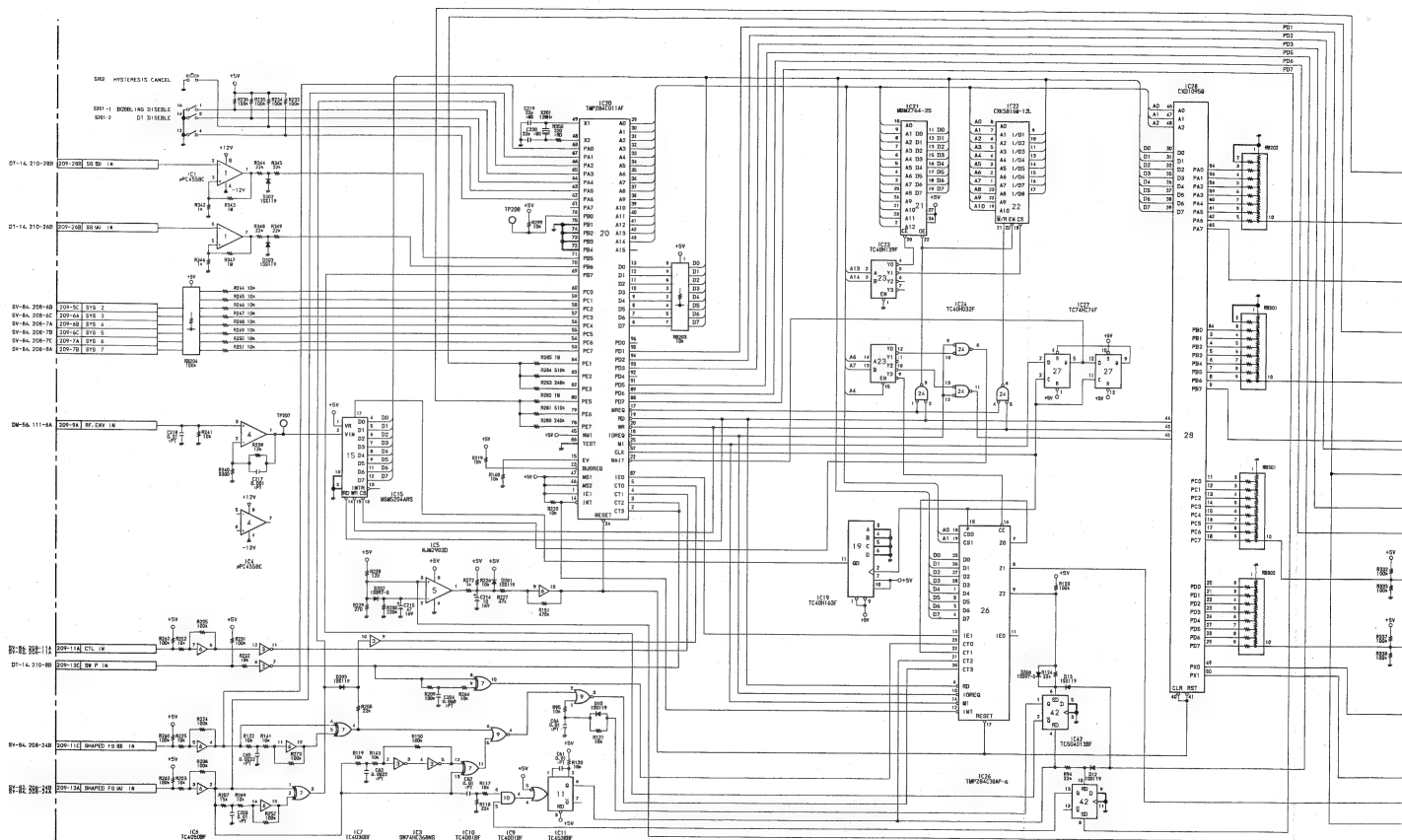
PTC-31

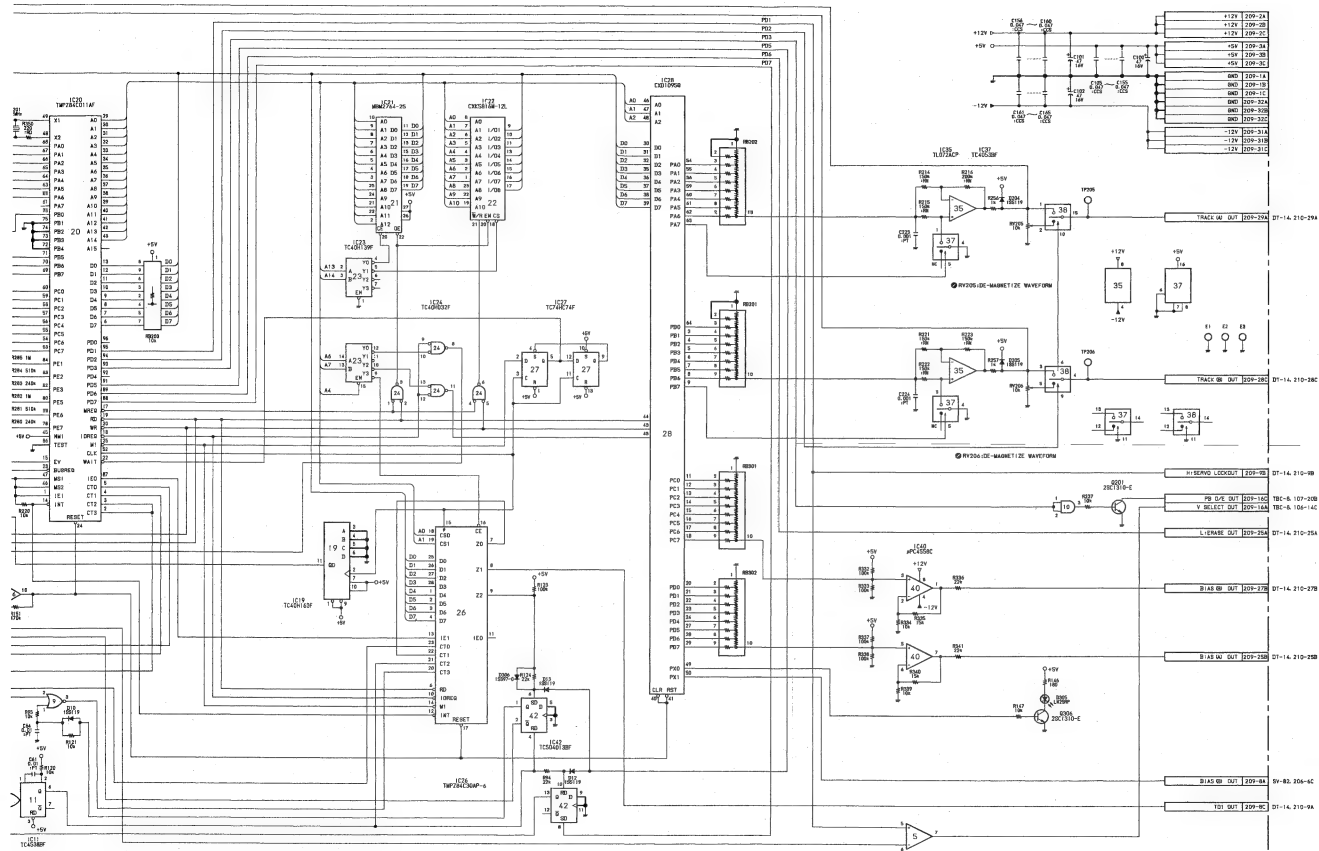
RE-36
1-622-560-11
BVW-60P BVW-70P
BVW-65P BVW-75P

NOTE:

The shaded and Δ marked components are critical to safety.
Replace only with same components as specified.

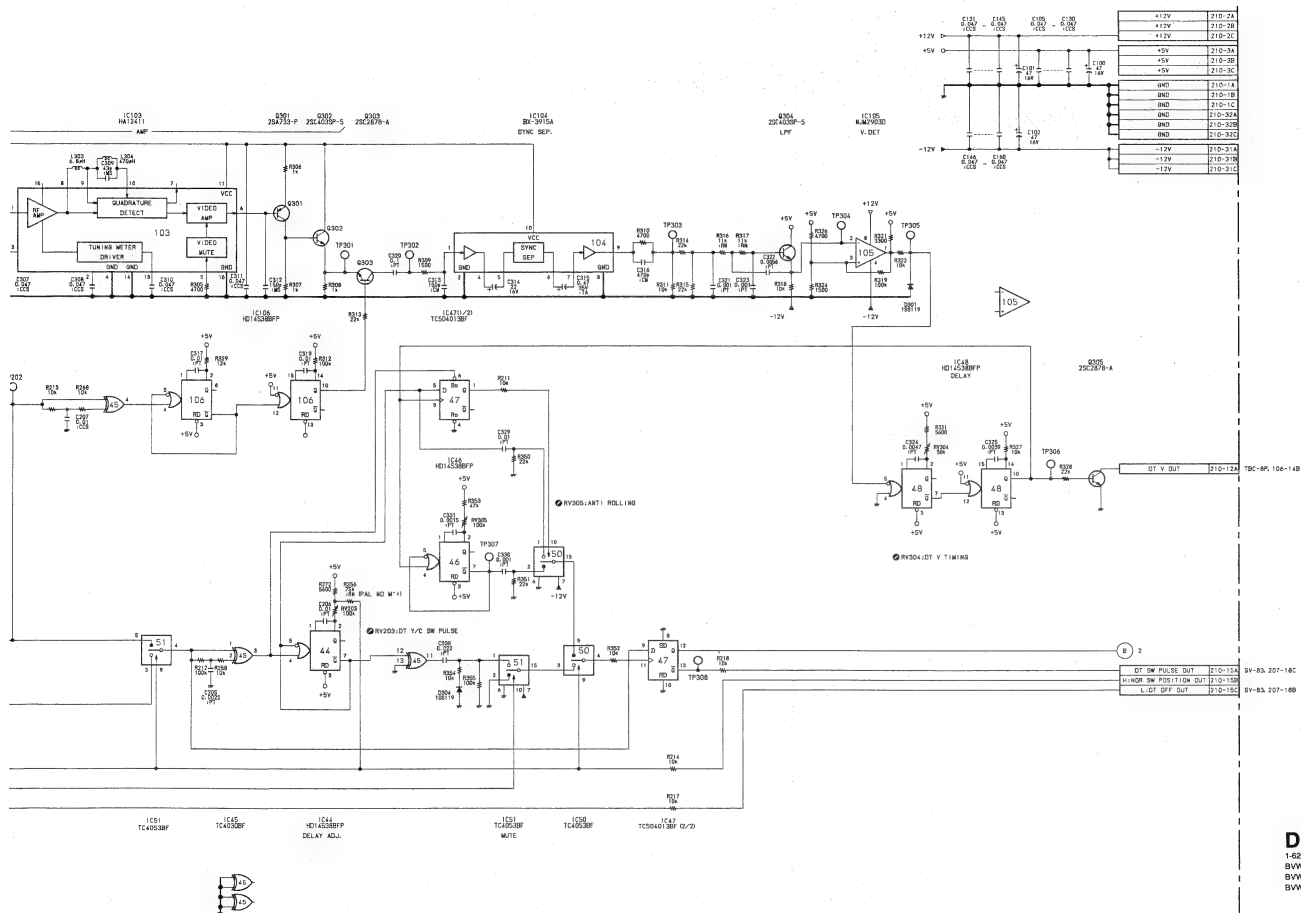
DT-13; DYNAMIC TRACKING





DT-13

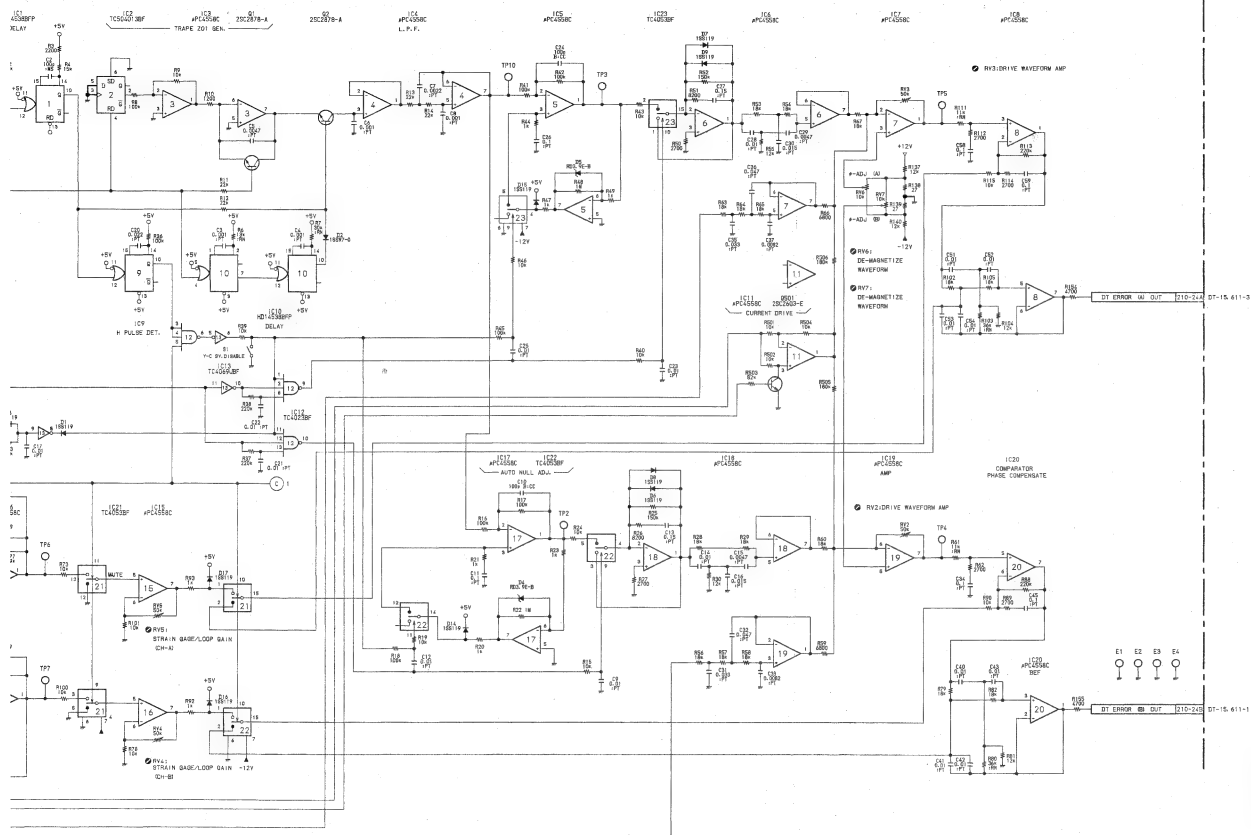
1-622-580-12
BWW-65P BWW-96P
BWW-75P
BWW-95P



DT-14P (1/2)

1-622-981-11
BVW-65P BVW-96P
BVW-75P
BVW-96P

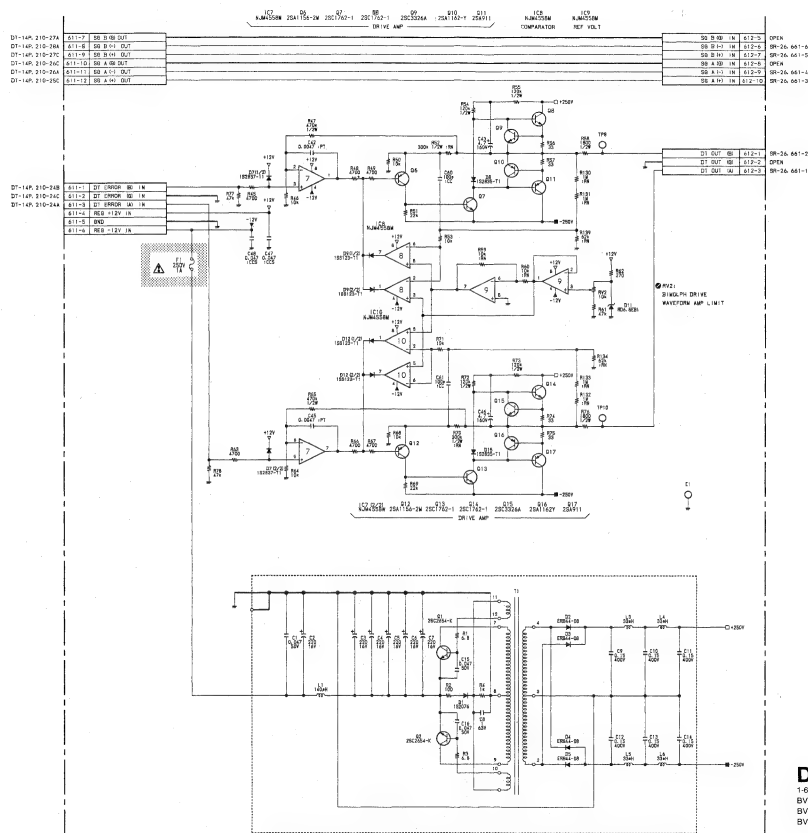


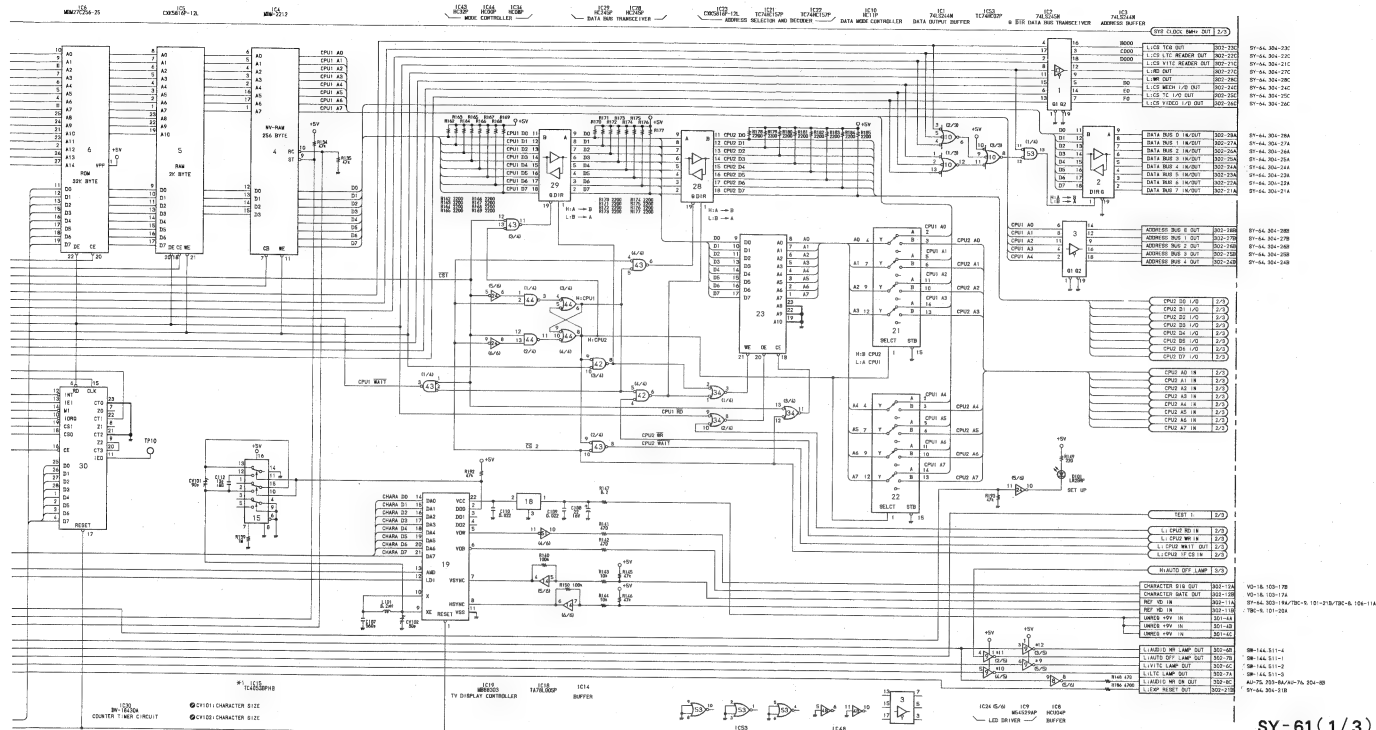


DT-14P (2/2)

1-602-581-11
 BVW-65P BVW-96P
 BVW-75P
 BVW-95P

DT-15; POWER DRIVER





SY-61 (1/3)

1-822-577-14

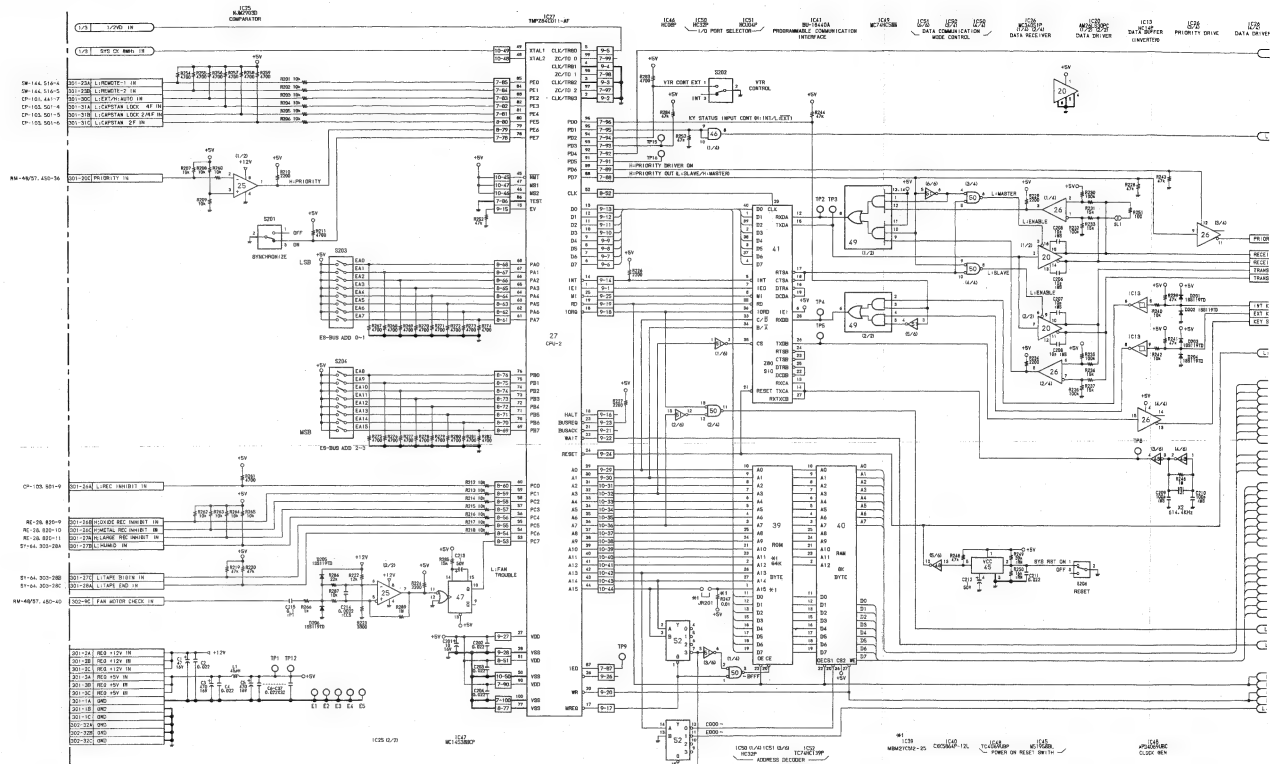
BVW-70P

BVW-75P

SY-61 (2/3); SYSTEM CONTROL, CPU-2, SERIAL INTERFACE

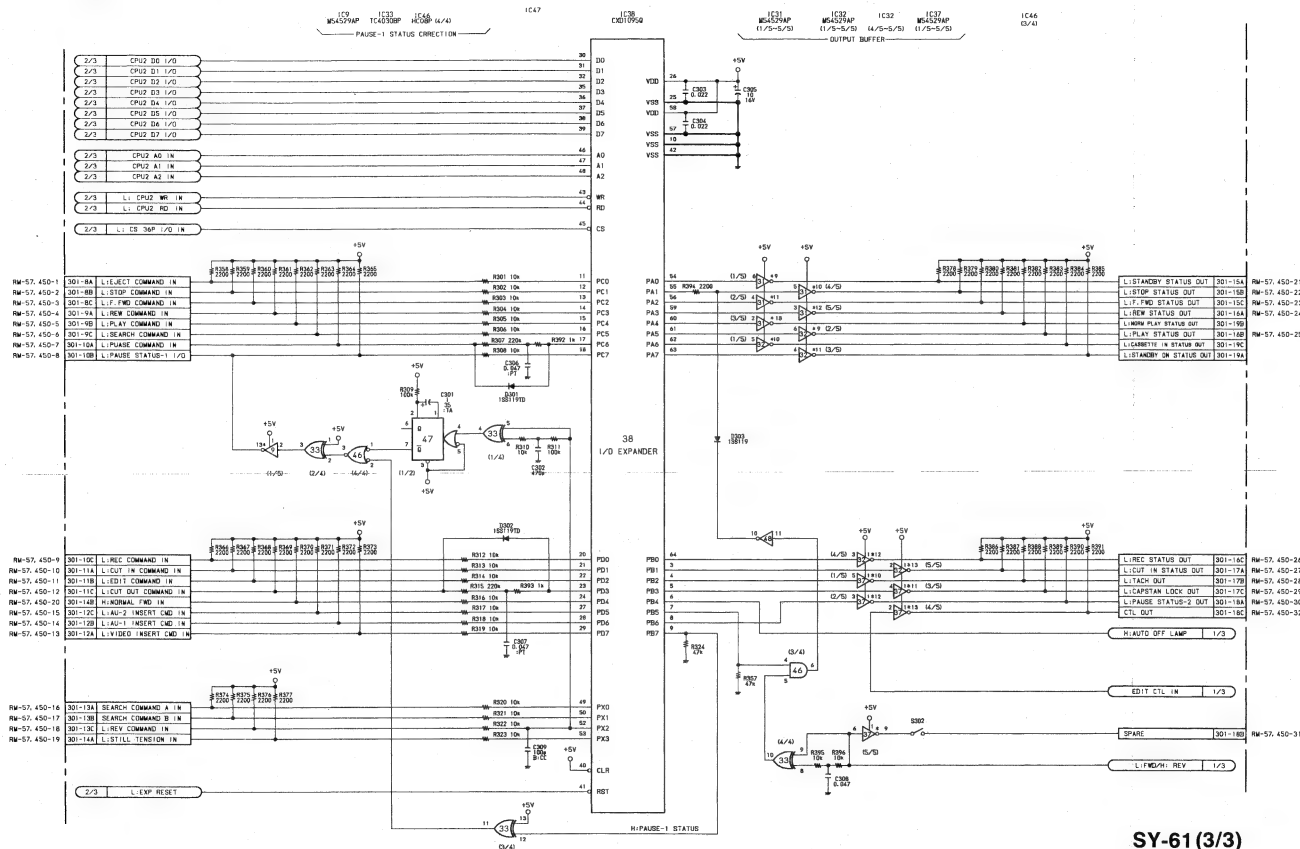
NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
#1	IC33 MEM270256-25 → MEM270512-25 32k → 64k VPP → A15 J2001 ADDED R247 0.01 DELETED	S/N 11938 ~



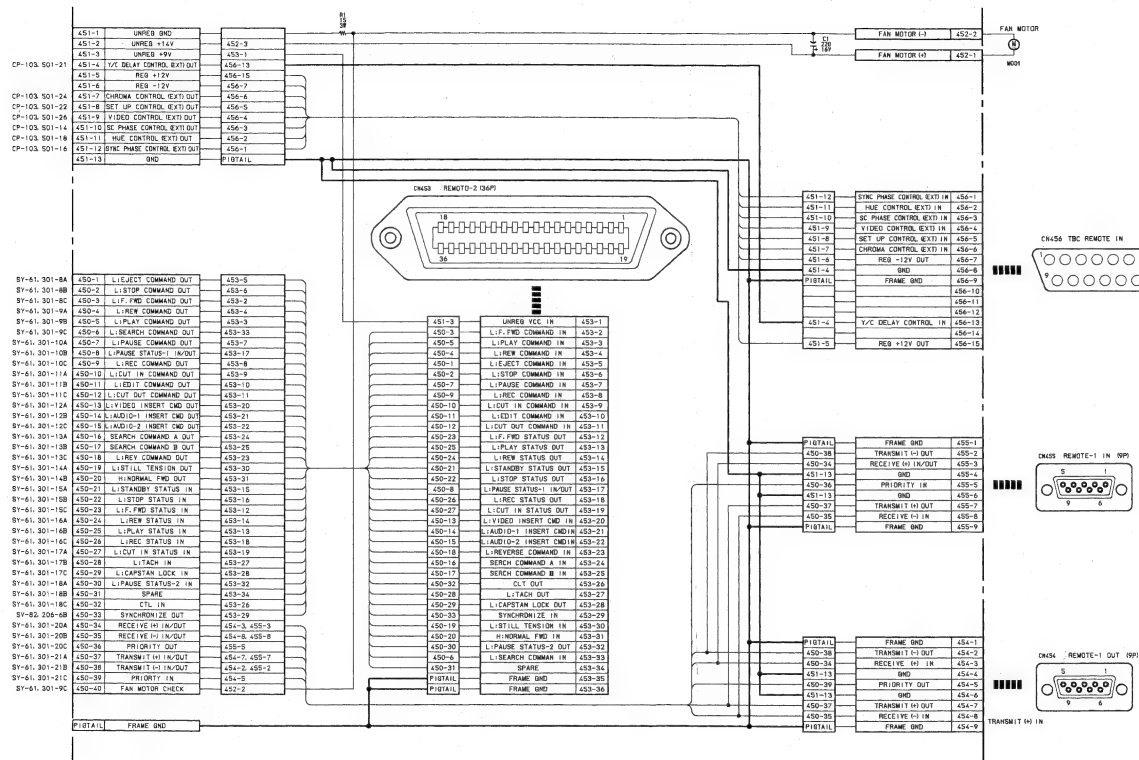


- 61 (3/3) ; SYSTEM CONTROL, PARALEL INTERFACE
- 57 ; REMOTE CONNECTOR



SY-61 (3/3)

1-822-577-14
BVW-70P
BVW-75P



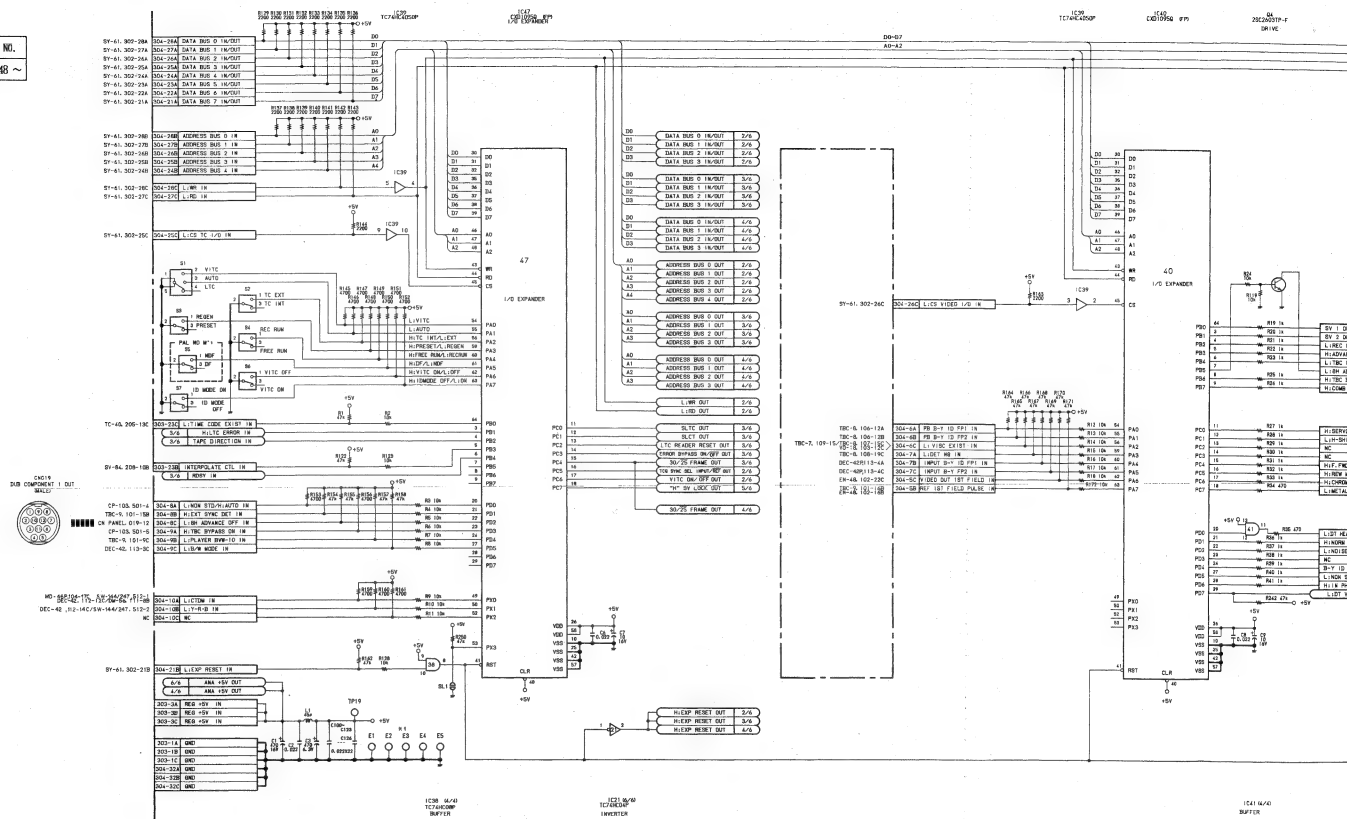
RM-57

1-624-153-11
 BVW-60P BVW-75P
 BVW-65P BVW-95P
 BVW-70P BVW-96P

-64P (1/6); I/O EXPANDER

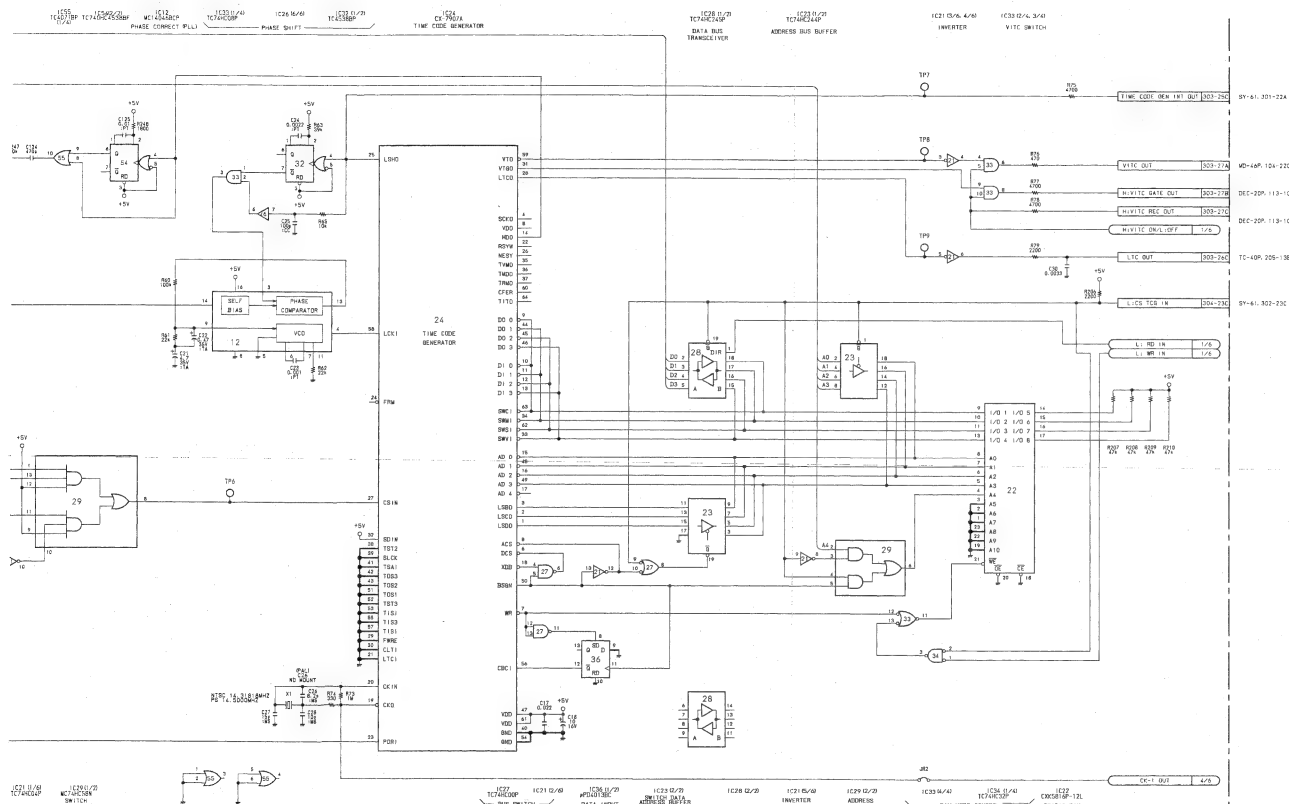
NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
#1	B6 DELETED	S/N 12548 ~



16-393

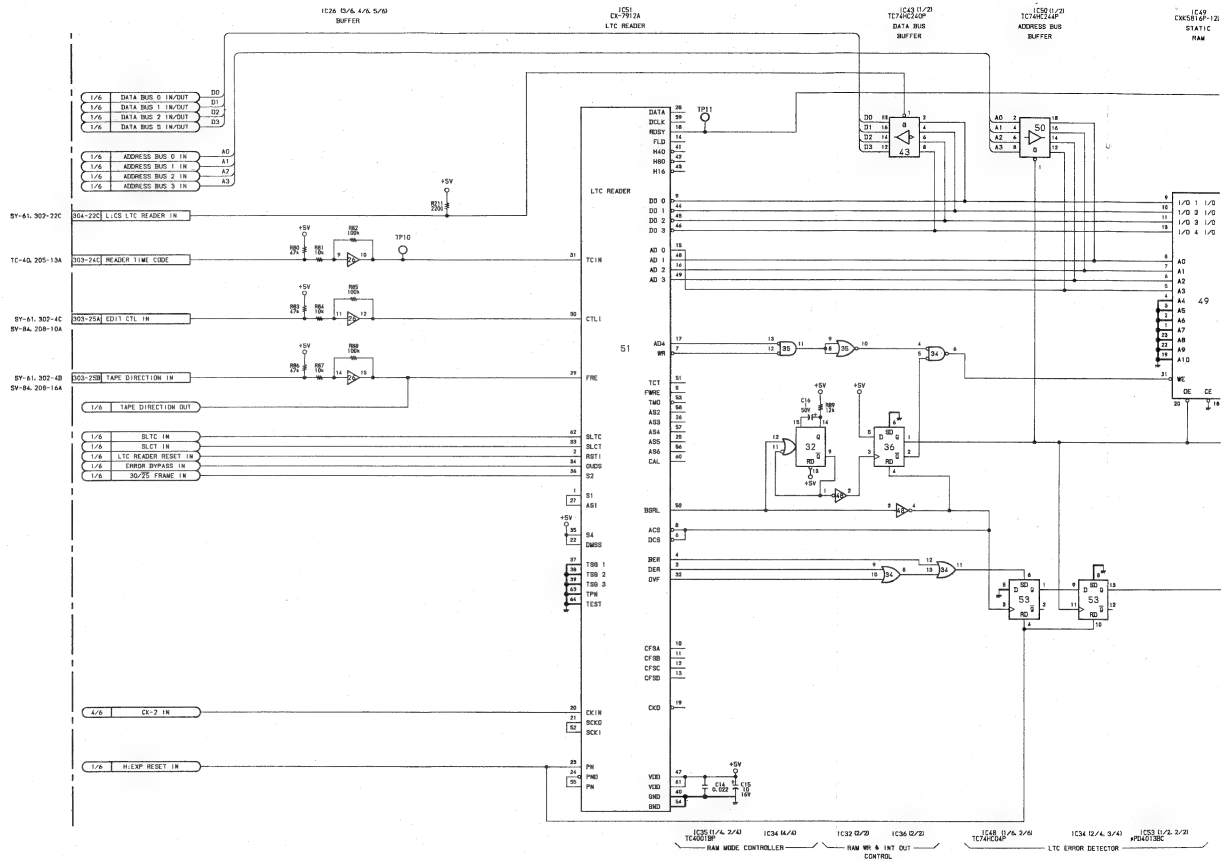




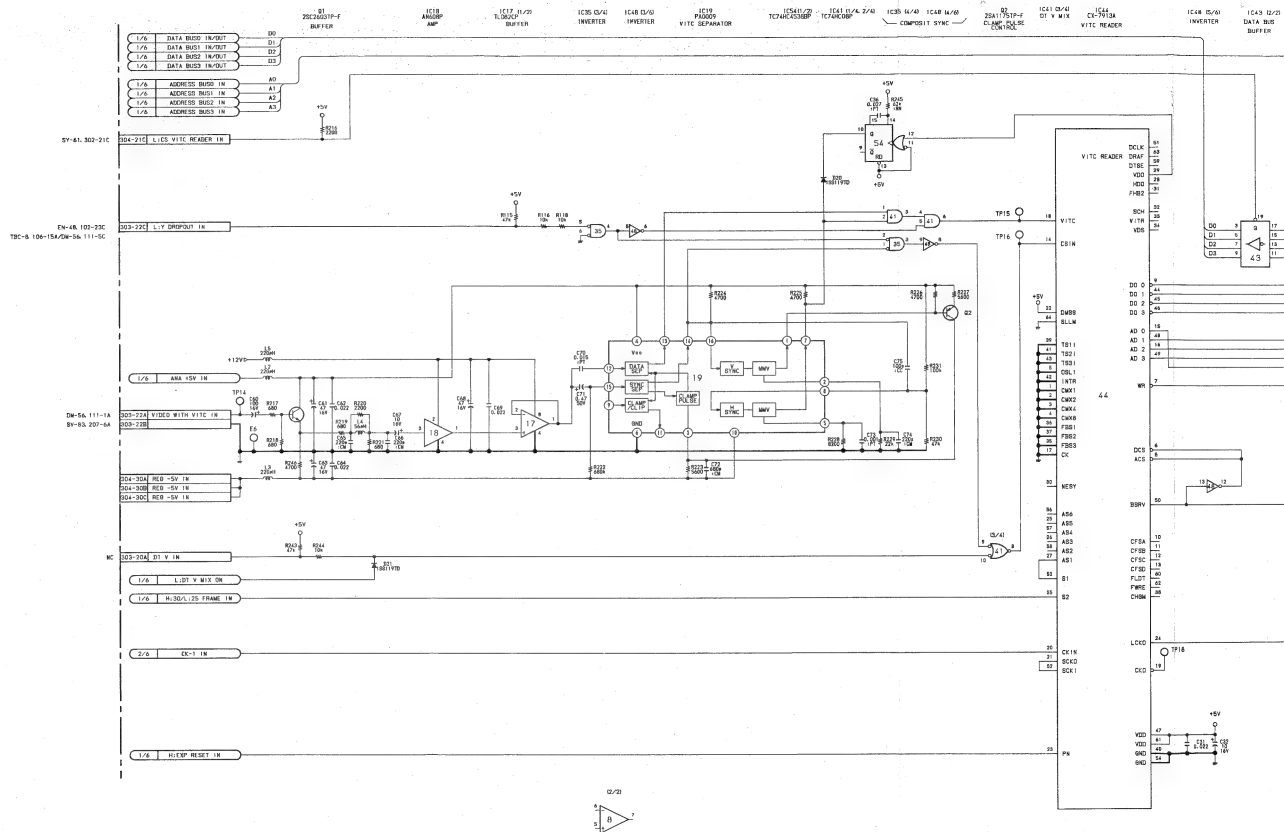
SY-64P (2/6)

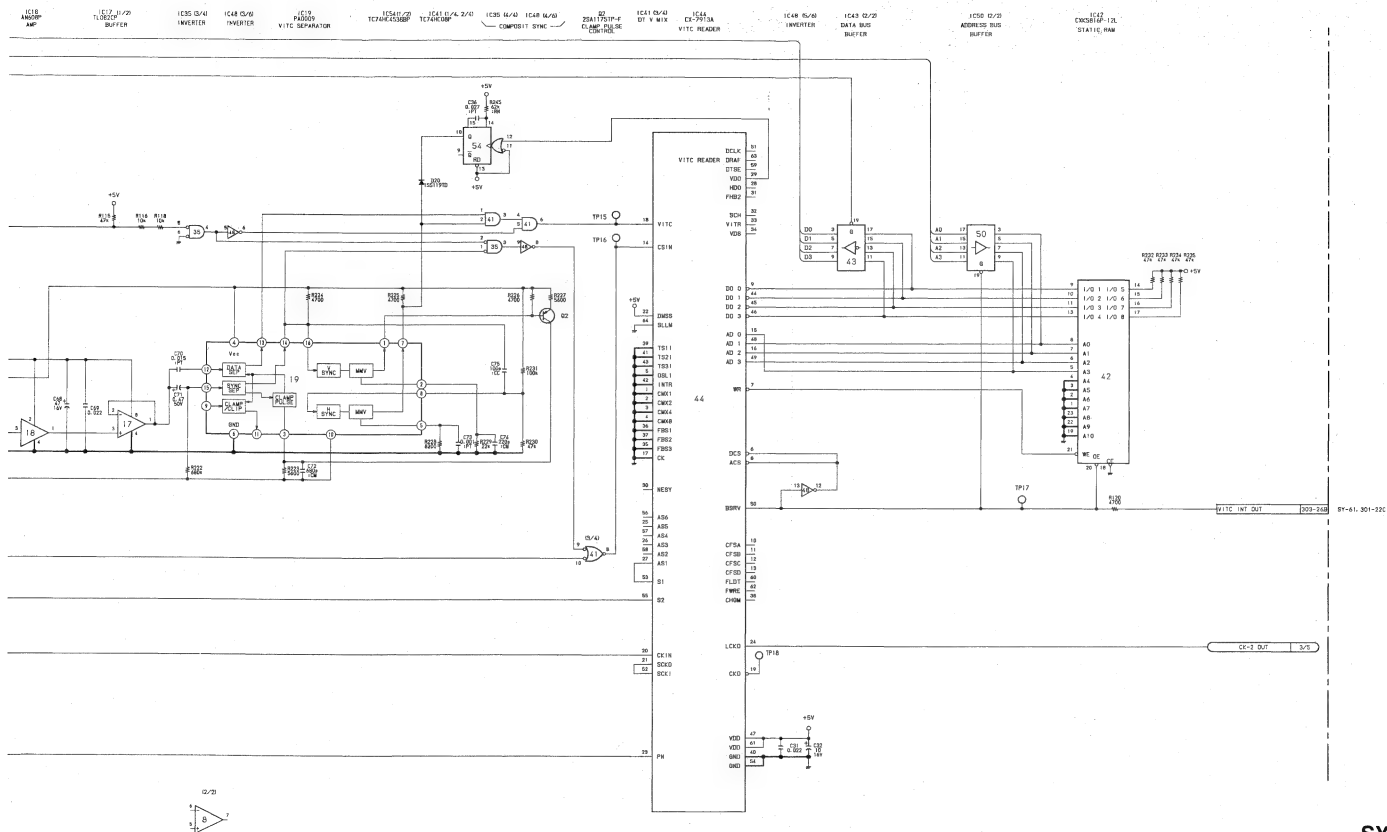
1-622-578-14
 BVW-70P
 BVW-75P
 BVW-96P

SY-64P (3/6); LTC READER



SY-64 P (4/6) ; VITC READER





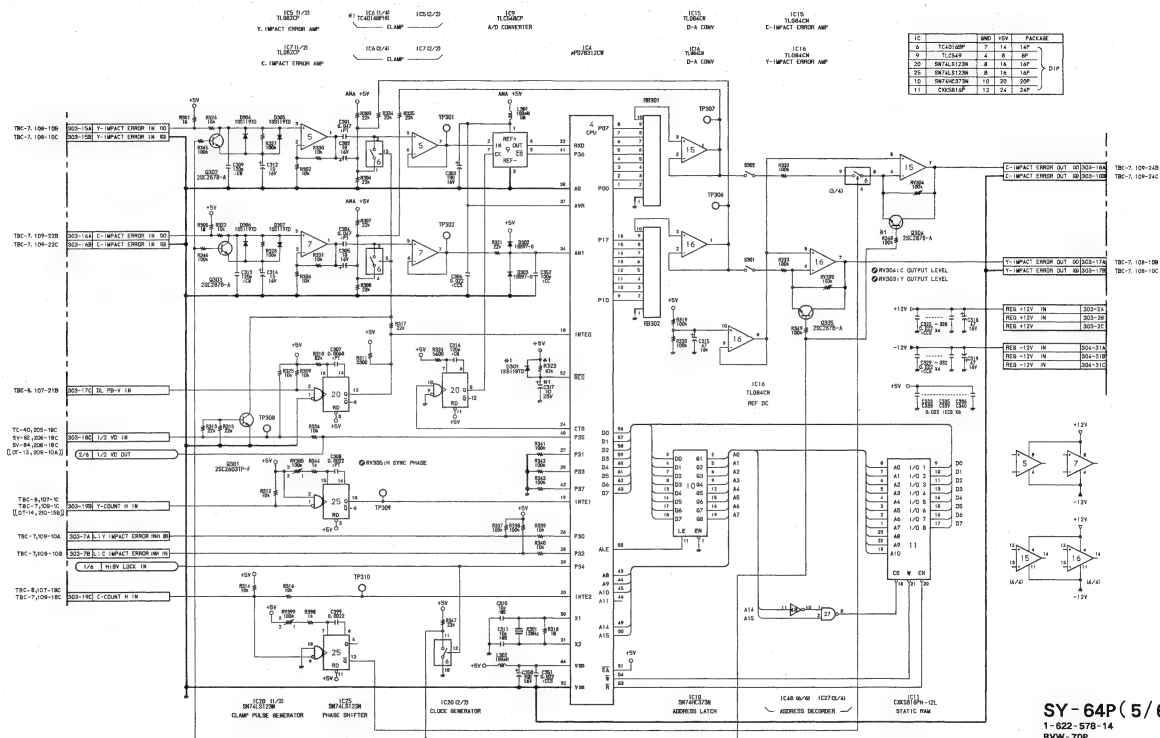
SY-64P (4/6)

1-822-578-14
BVW-70P
BVW-75P
BVW-96P

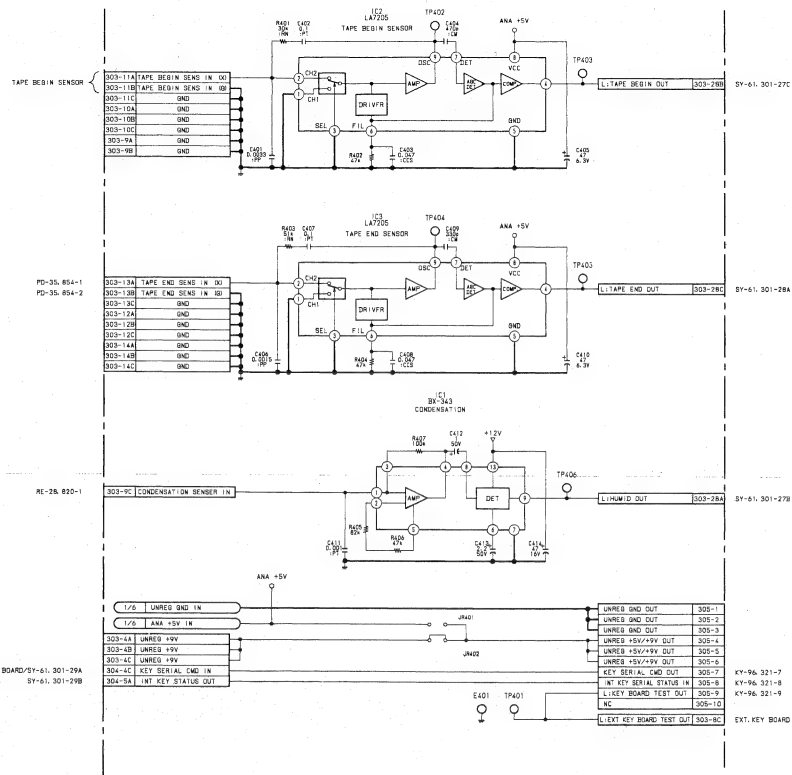
64 P (5/6) ; TIME BASE IMPACT ERROR CORRECTOR
64 P (6/6) ; SENSOR AMPLIFIER

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC6 TC4016BP → TC4016BPHB R348 100k DELETED	S/N 12548 ~



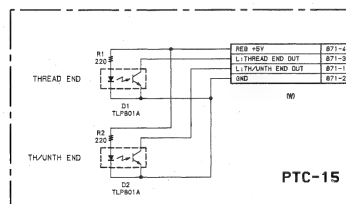
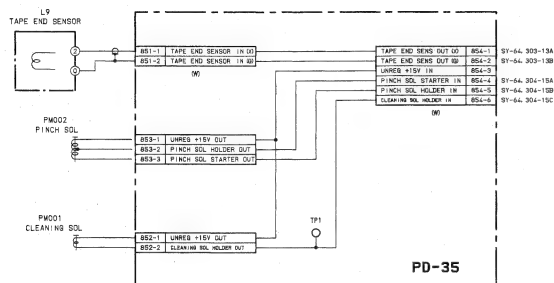
SY-64P(5/6)
1-622-578-14
BVW-70P
BVW-75P
BVW-96P



SY-64P (6/6)

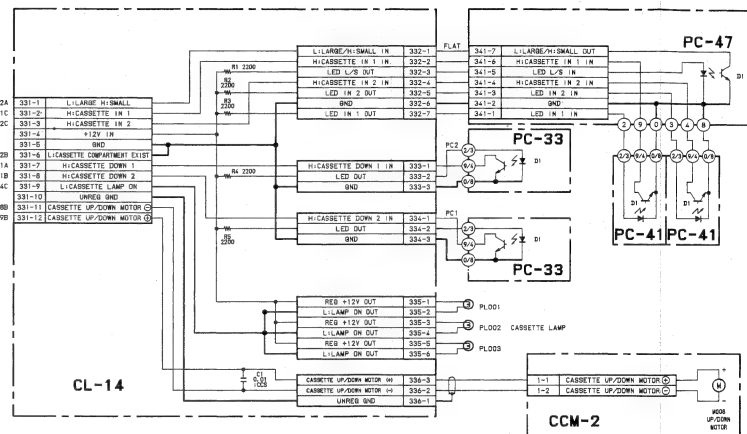
1-620-579-14
BVW-75P
BVW-86P

>D-35; PINCH/CLEANING SOLENOID
 >TC-15; THREAD/UNTHREAD END SENSOR
 >L-14; CASSETTE UP COMPARTMENT
 >C-33; CASSETTE DOWN DETECTOR
 >C-41; CASSETTE IN DETECTOR
 >C-47; LARGE/SMALL CASSETTE DETECTOR
 >CM-2; UP/DOWN MOTOR
 >C-11; HOURS METER



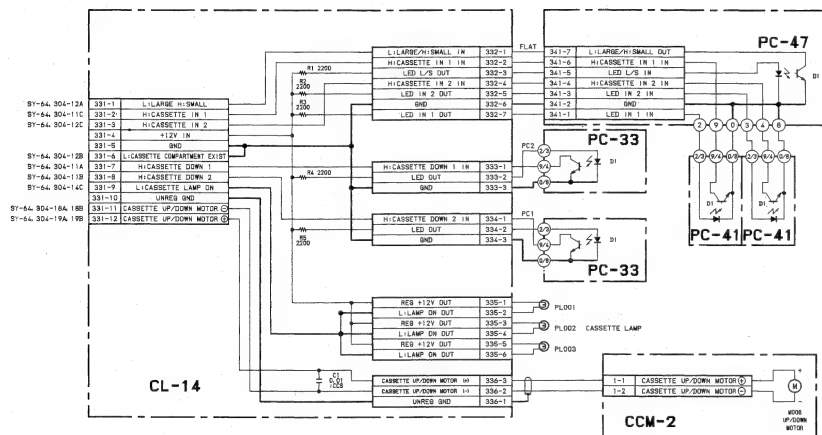
PD-35

1-622-596-11
 BVW-60P BVW-70P
 BVW-65P BVW-75P
 BVW-55P BVW-56P

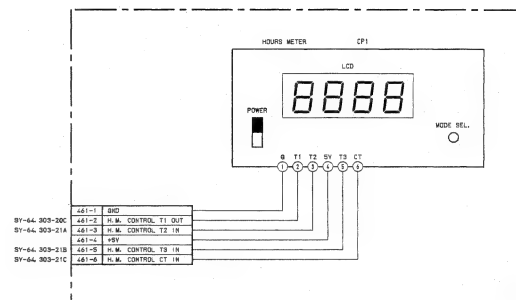


CL-14

1-622-602-11
 BVW-60P BVW-70P
 BVW-65P BVW-75P

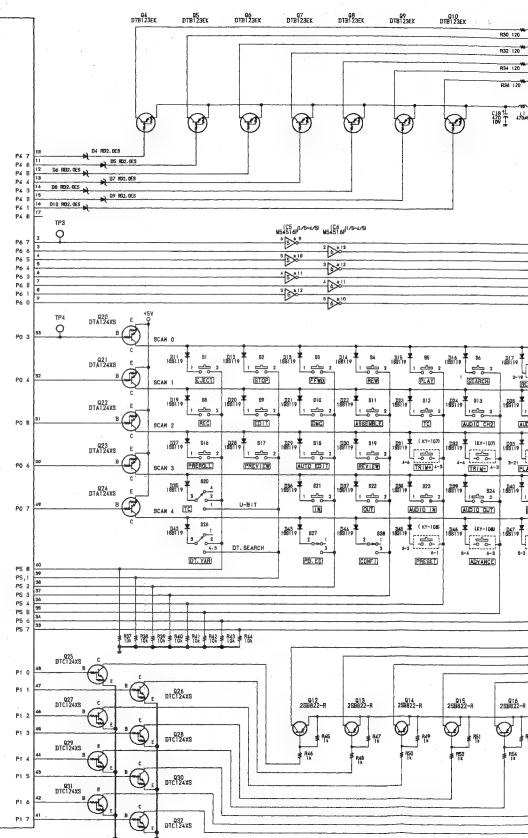
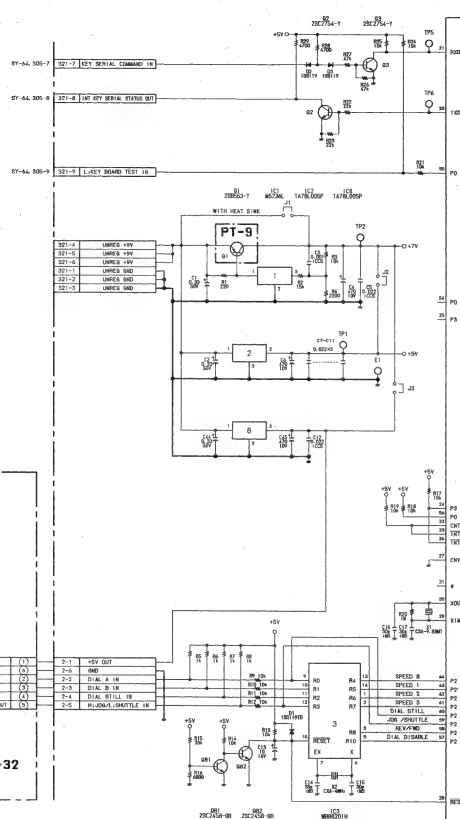
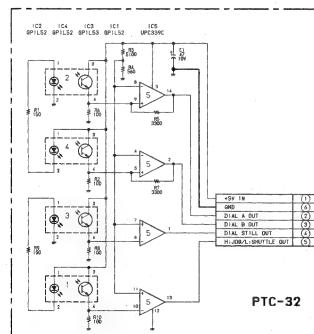
**CL-14**

1-622-602-11
BVW-60P BVW-70P
BVW-65P BVW-75P

**HC-11**

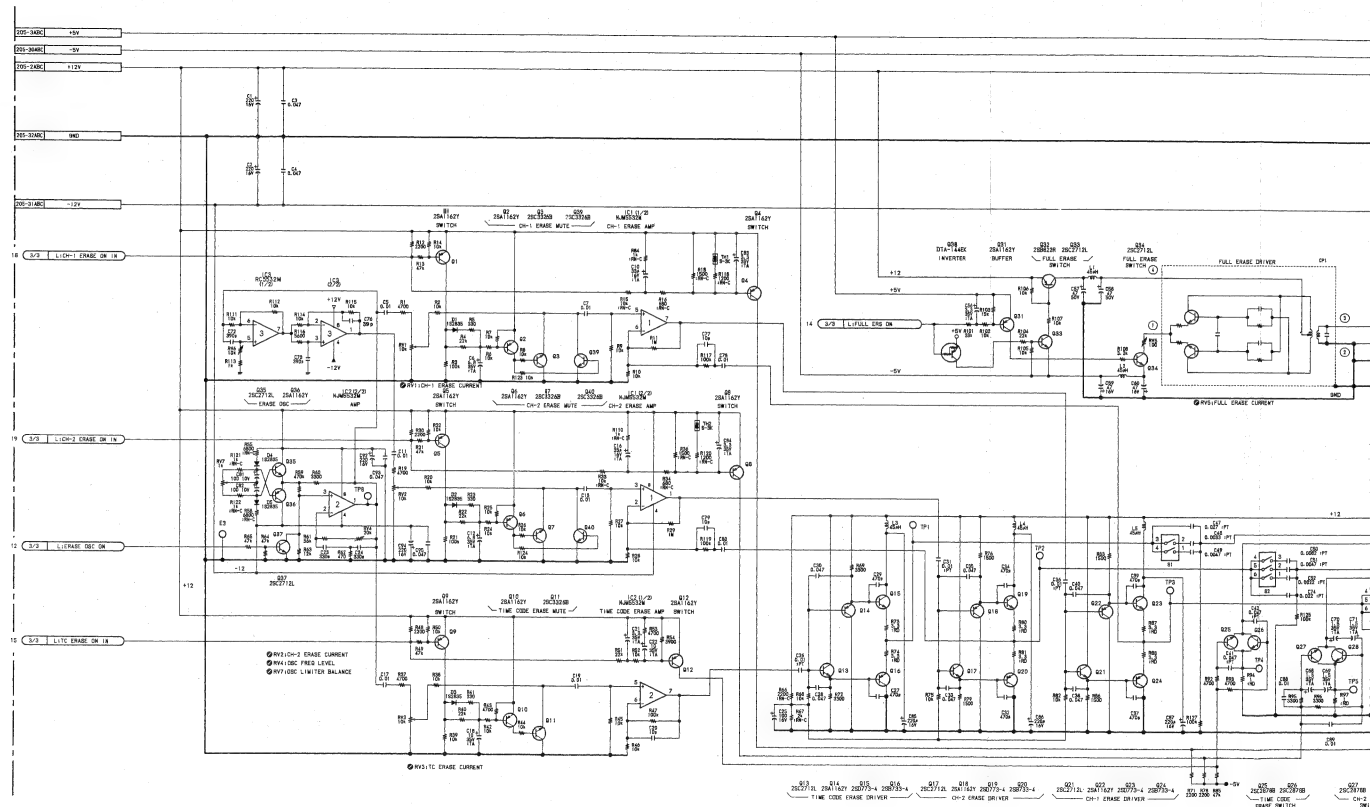
1-622-595-11
BVW-60P BVW-70P
BVW-65P BVW-75P
BVW-95P BVW-96P

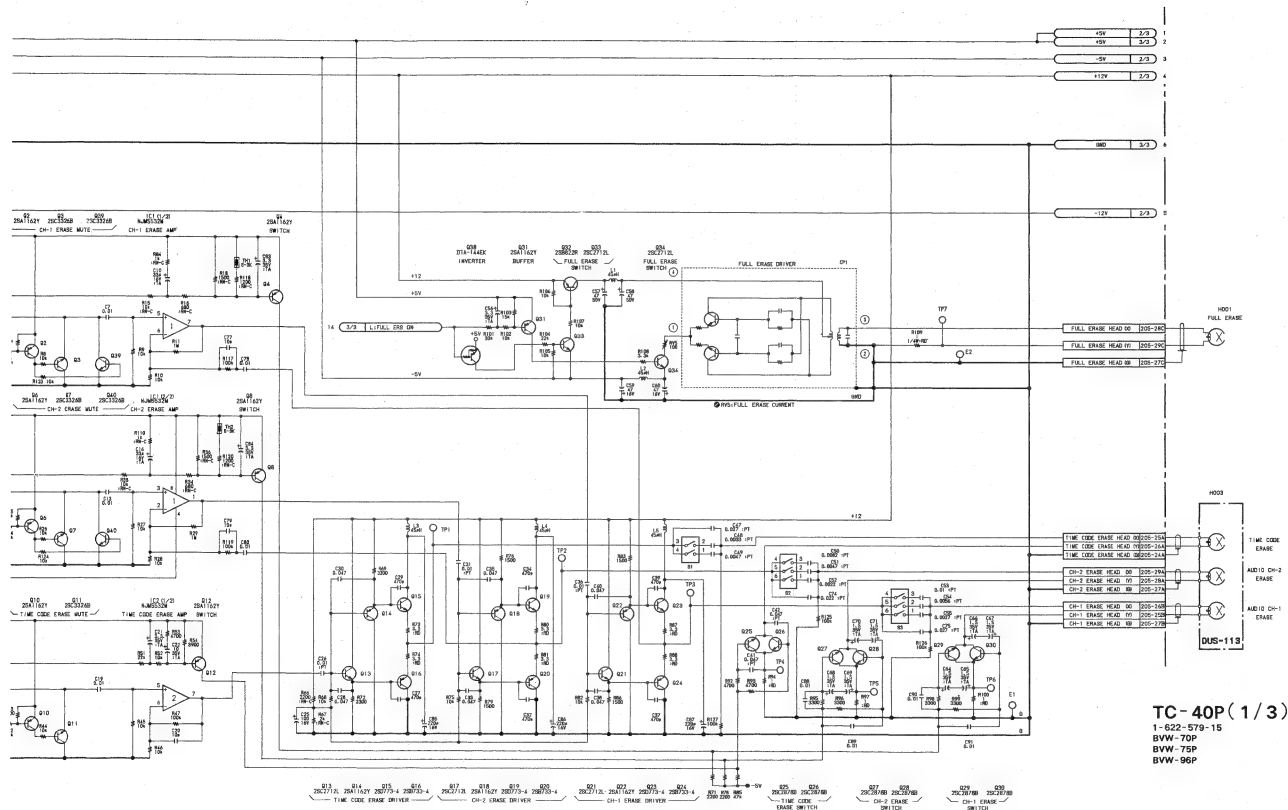
- 96: KEYBOARD
 -107: KEYBOARD
 -108: KEYBOARD
 -71: TIME COUNTER DISPLAY
 -C-32: SEARCH DIAL
 -9: POWER TRANSISTOR





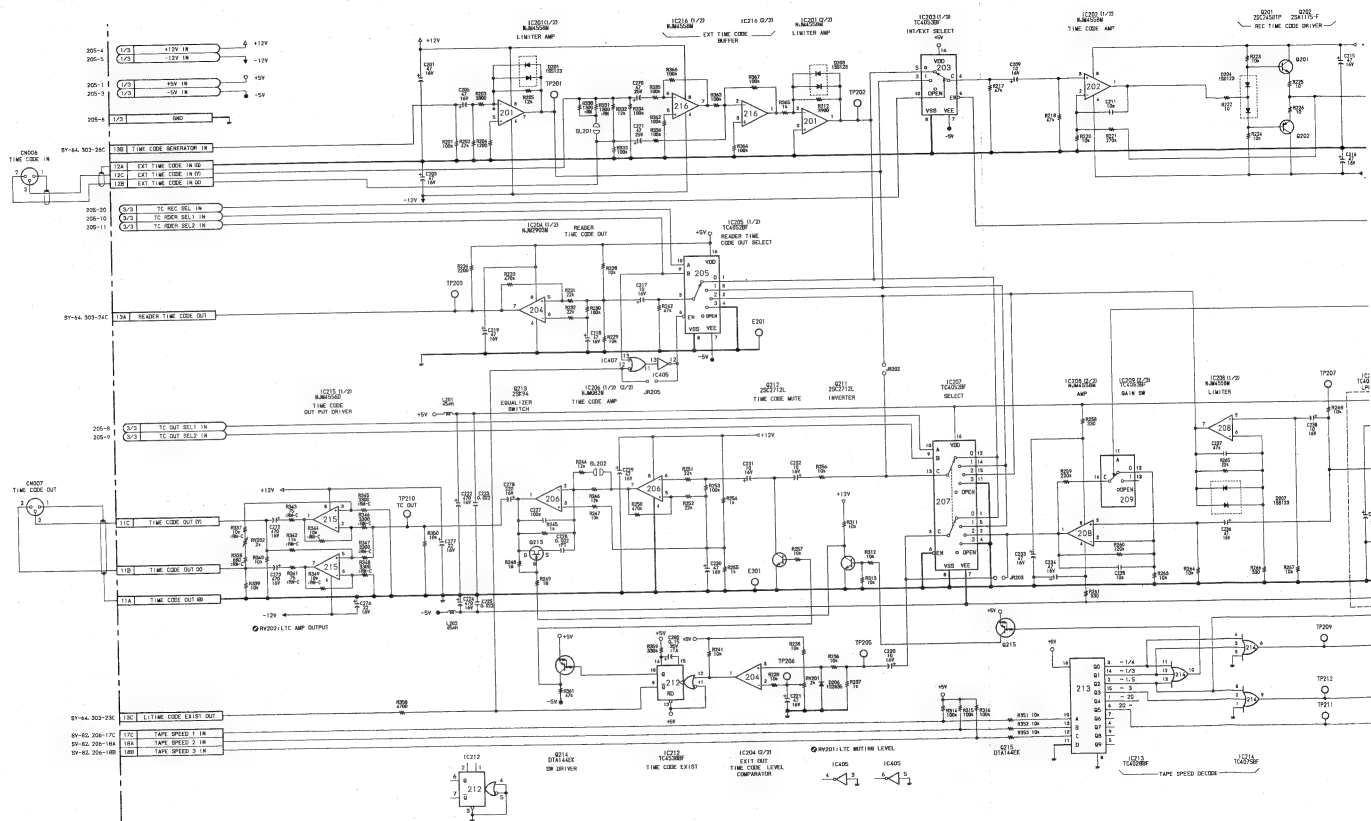
C-40P (1/3); FULL ERASE OSCILLATOR, CH-1/CH-2/LTC ERASE DRIVER





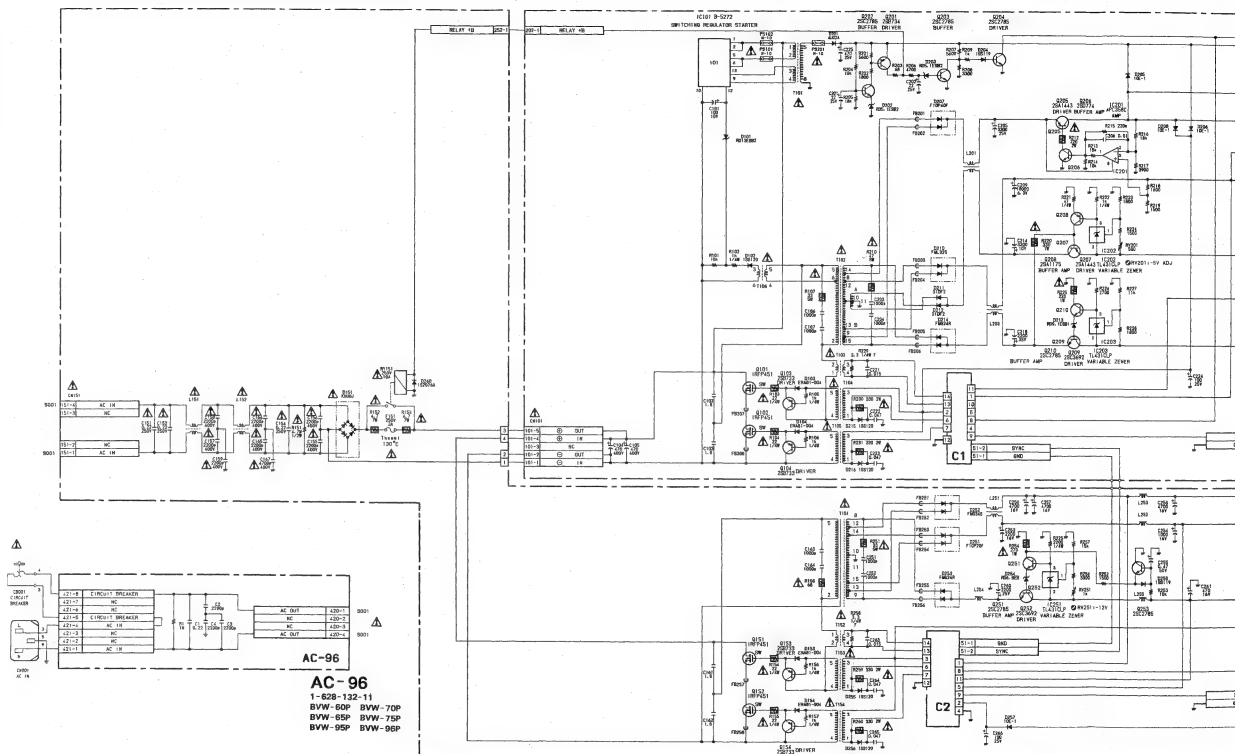
TC-40P (1/3)
1-622-579-15
BVW-70P
BVW-75P
BVW-96P

40P (2/3) ; LTC REC/PB AMPLIFIER





96 ; RELAY BOARD OF AC INLET
SWITCHING REGULATOR
SWITCHING REGULATOR
SWITCHING REGULATOR
SWITCHING REGULATOR

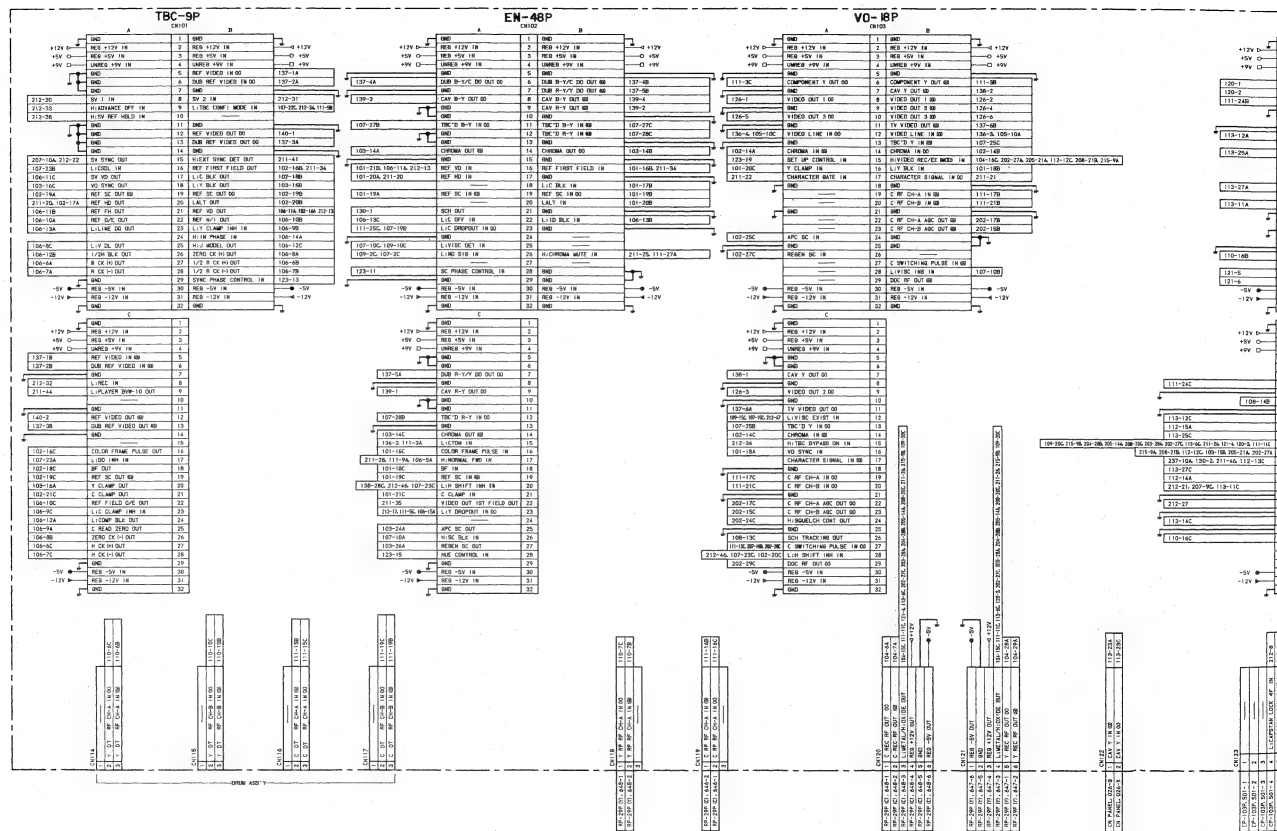




-191 (1/4); MOTHER BOARD

NOTE

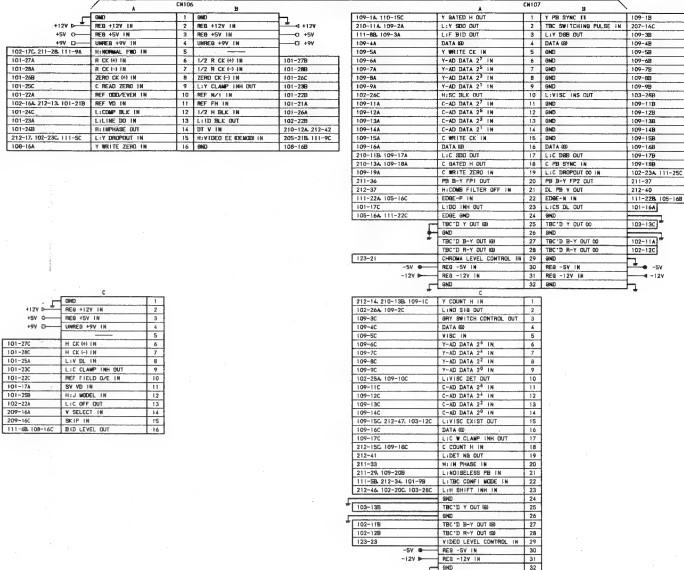
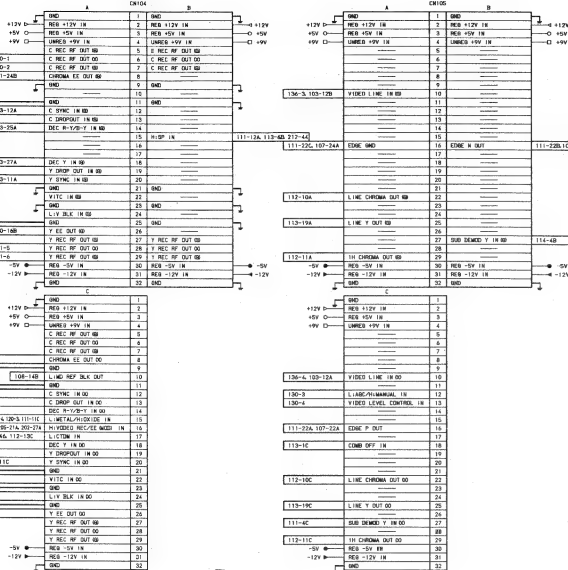
MARK	CHANGE INFORMATION	SERIAL NO.
*	DEC-30 BOARD → DEC-60P BOARD	S/N 11928 ~

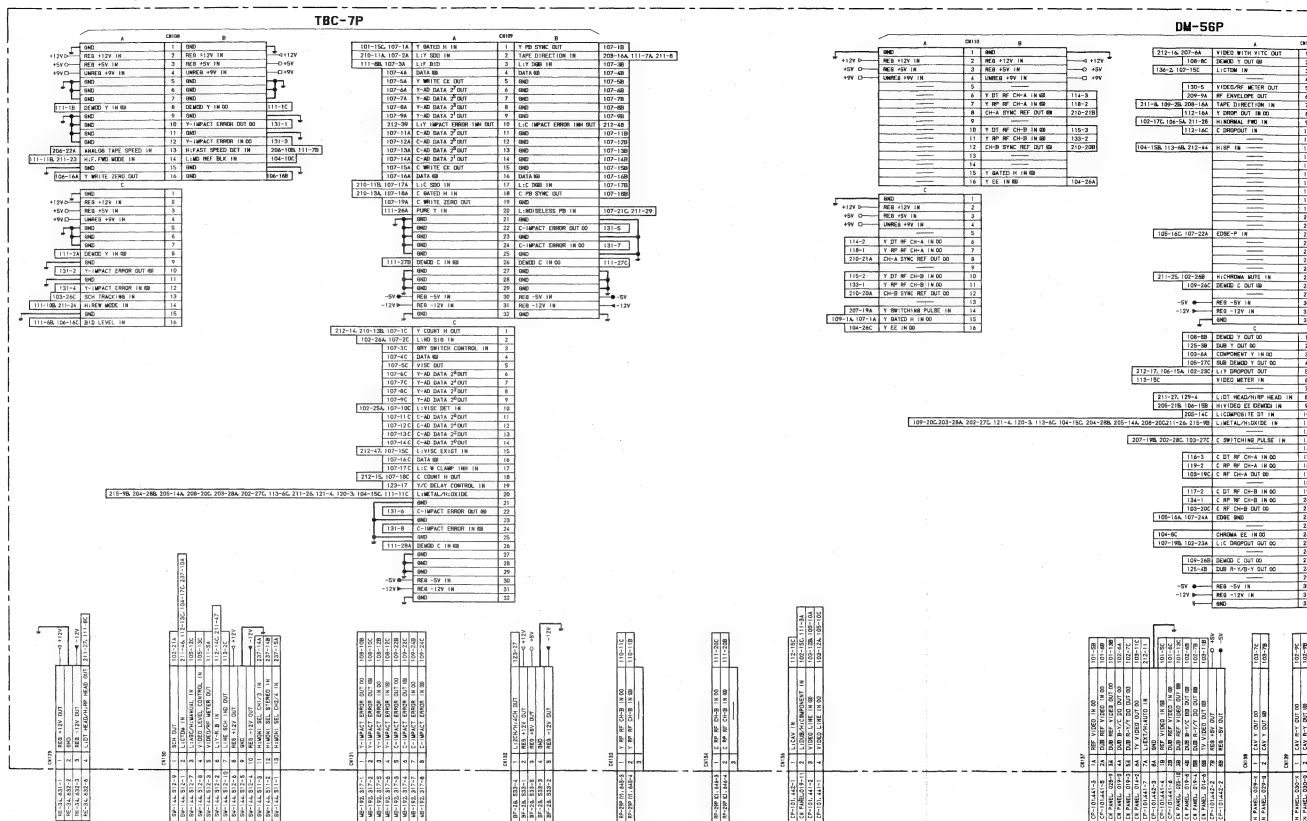


MD-46P

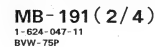
* DEC-46P

TBC-BP

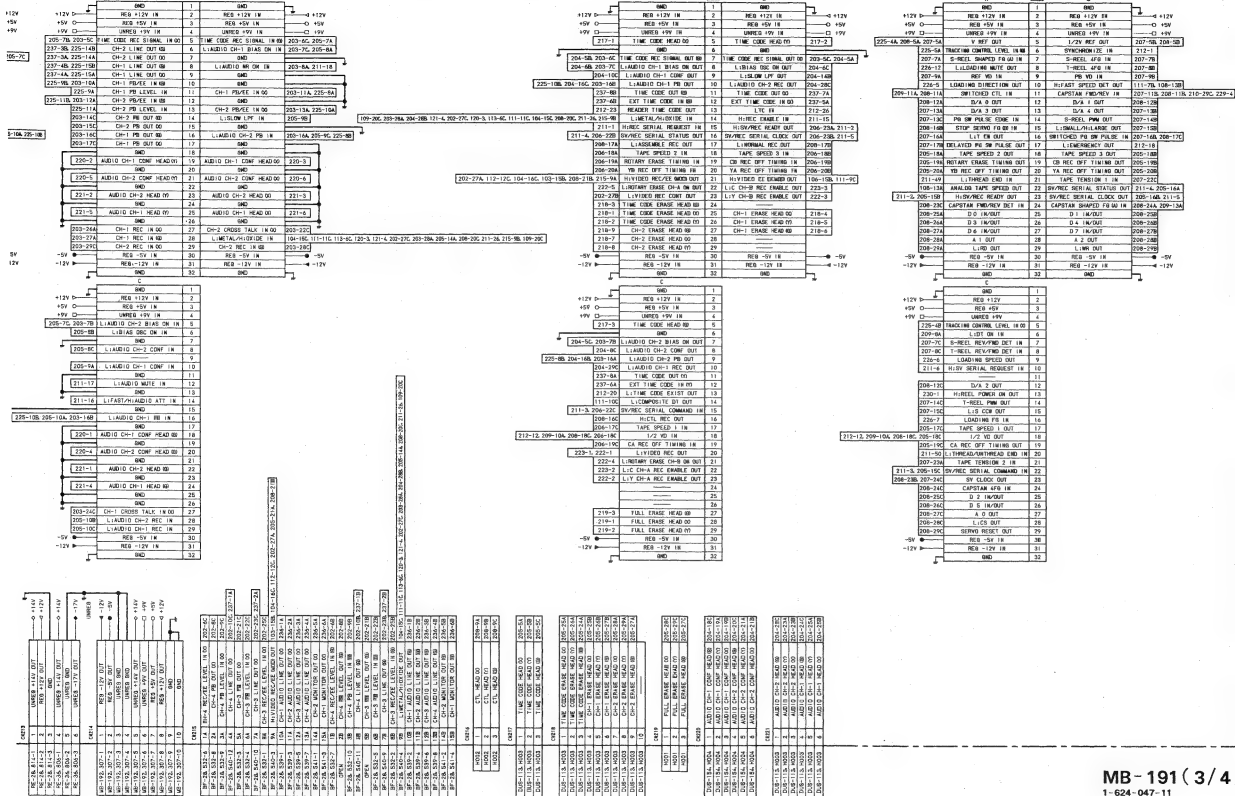




DEC-42 P







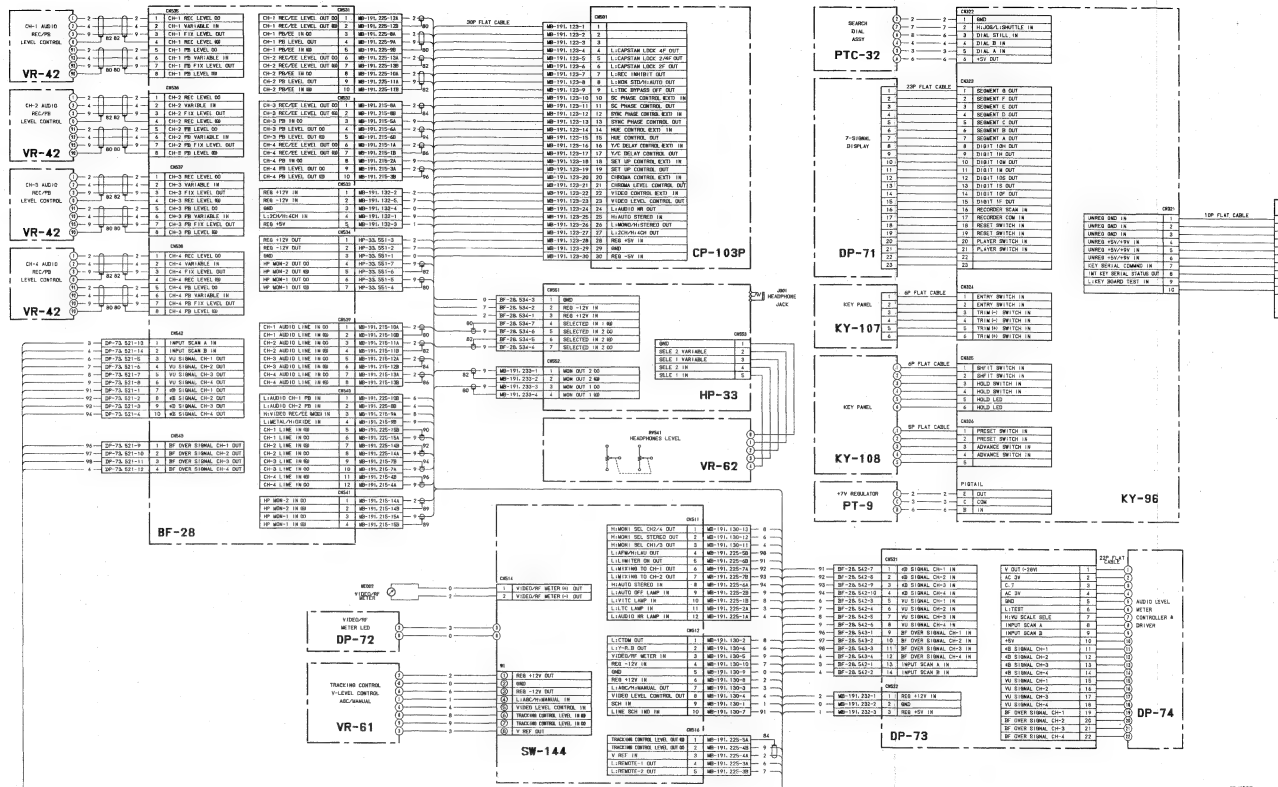
16-483



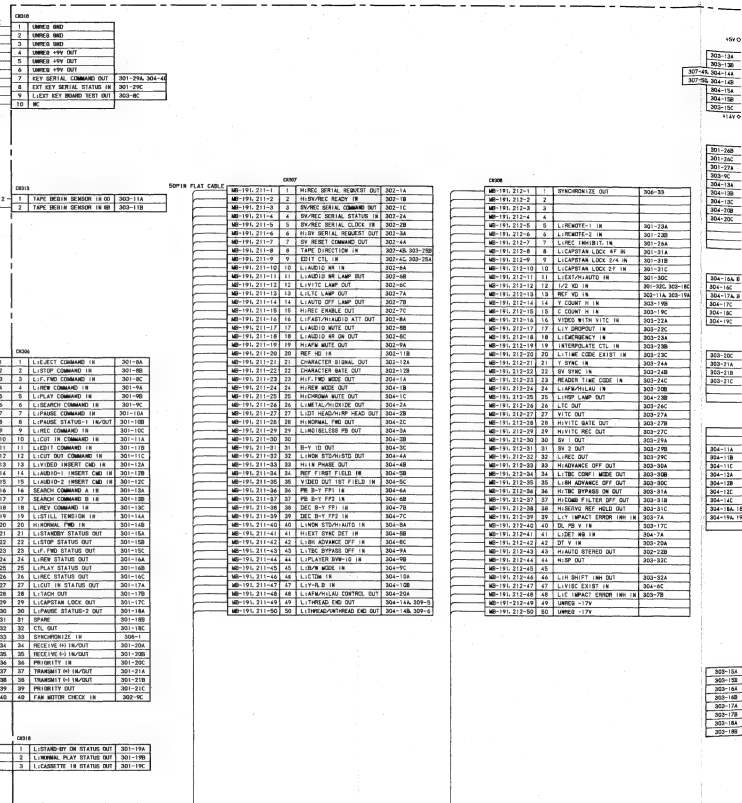
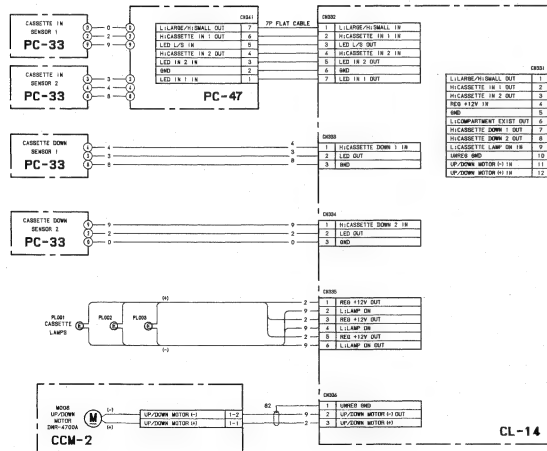
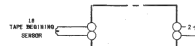
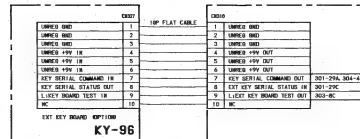
SY-64P

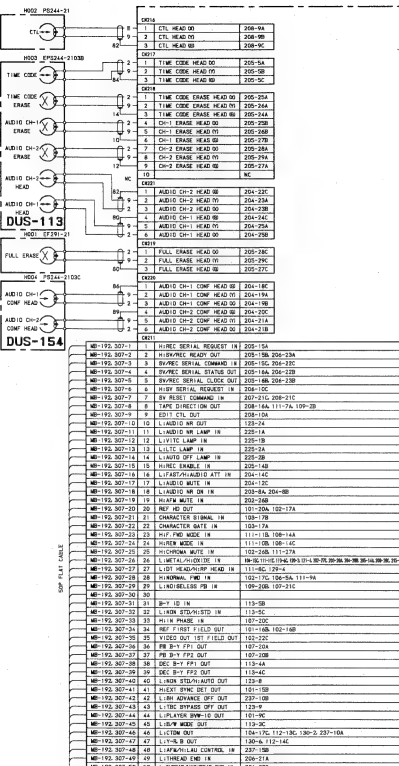
[illegible][illegible]

H

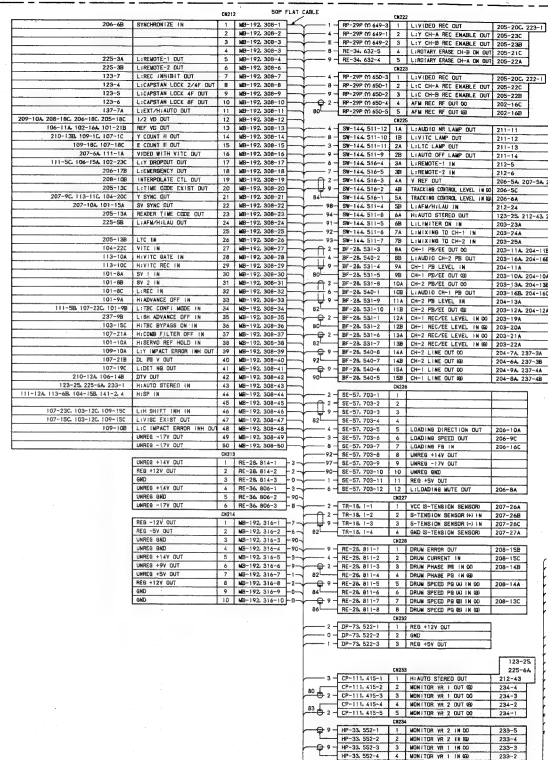


FRAME (2/5)





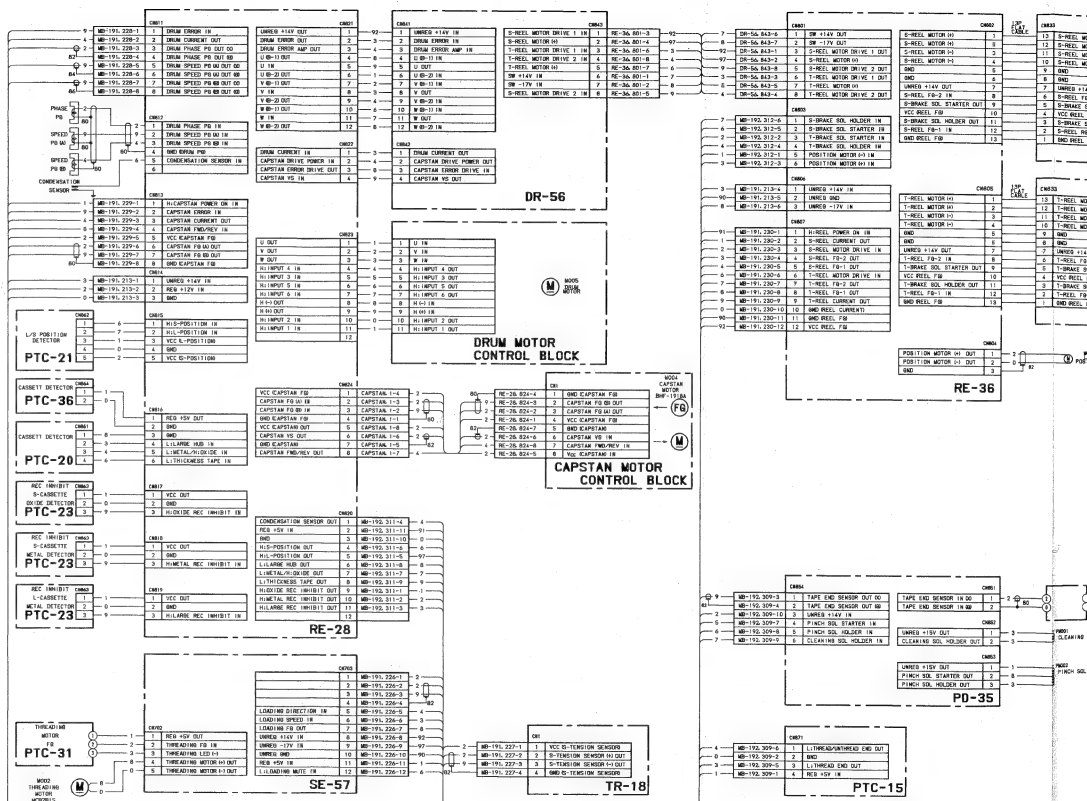
16-500



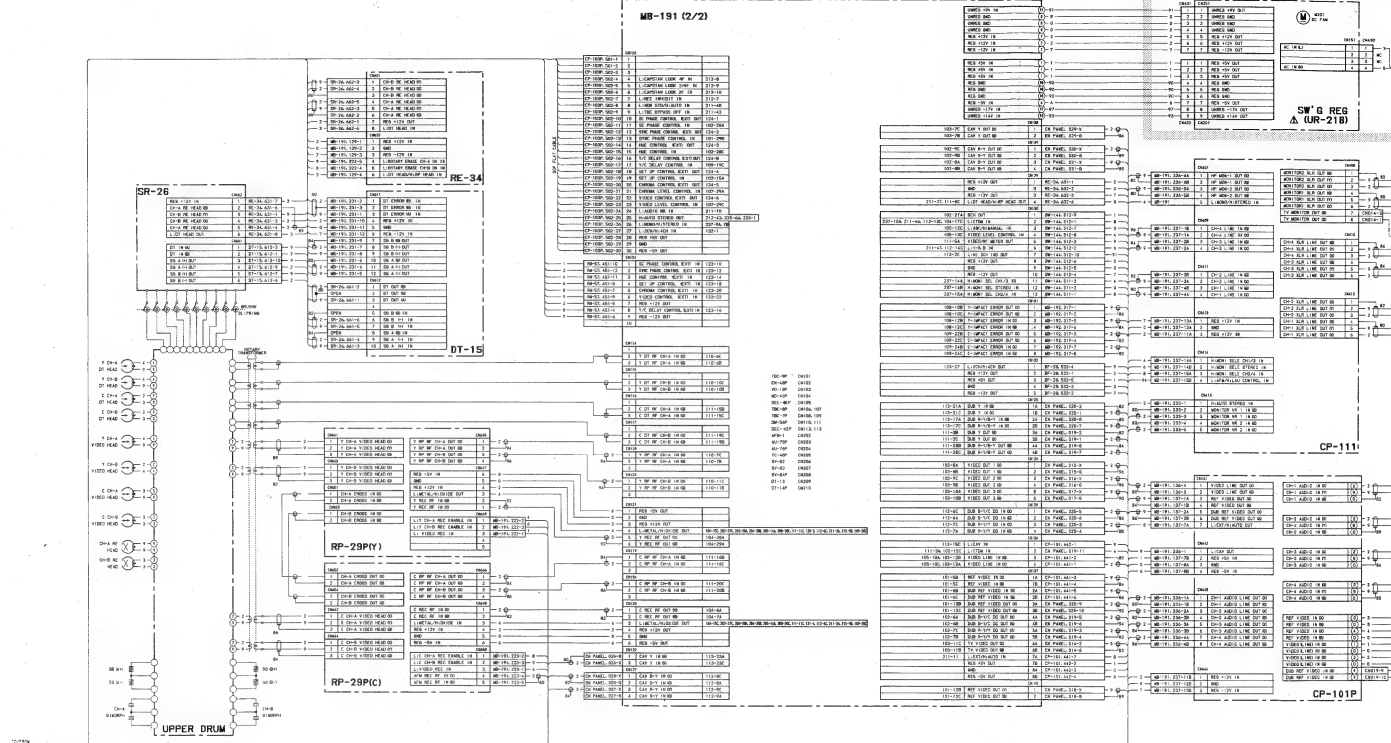
16-501

DEP		
210-1A	ST ENVOY IN OUT	1
210-2A	ST ENVOY IN OUT	2
210-3A	ST ENVOY IN OUT	3
210-4A	ST ENVOY IN OUT	4
210-5A	ST ENVOY IN OUT	5
210-6A	ST ENVOY IN OUT	6
210-7A	ST ENVOY IN OUT	7
210-8A	ST ENVOY IN OUT	8
210-9A	ST ENVOY IN OUT	9
210-10A	ST ENVOY IN OUT	10
210-11A	ST ENVOY IN OUT	11
210-12A	ST ENVOY IN OUT	12
210-13A	ST ENVOY IN OUT	13
210-14A	ST ENVOY IN OUT	14
210-15A	ST ENVOY IN OUT	15
210-16A	ST ENVOY IN OUT	16
210-17A	ST ENVOY IN OUT	17
210-18A	ST ENVOY IN OUT	18
210-19A	ST ENVOY IN OUT	19
210-20A	ST ENVOY IN OUT	20
210-21A	ST ENVOY IN OUT	21
210-22A	ST ENVOY IN OUT	22
210-23A	ST ENVOY IN OUT	23
210-24A	ST ENVOY IN OUT	24
210-25A	ST ENVOY IN OUT	25
210-26A	ST ENVOY IN OUT	26
210-27A	ST ENVOY IN OUT	27
210-28A	ST ENVOY IN OUT	28
210-29A	ST ENVOY IN OUT	29
210-30A	ST ENVOY IN OUT	30
210-31A	ST ENVOY IN OUT	31
210-32A	ST ENVOY IN OUT	32
210-33A	ST ENVOY IN OUT	33
210-34A	ST ENVOY IN OUT	34
210-35A	ST ENVOY IN OUT	35
210-36A	ST ENVOY IN OUT	36
210-37A	ST ENVOY IN OUT	37
210-38A	ST ENVOY IN OUT	38
210-39A	ST ENVOY IN OUT	39
210-40A	ST ENVOY IN OUT	40
210-41A	ST ENVOY IN OUT	41
210-42A	ST ENVOY IN OUT	42
210-43A	ST ENVOY IN OUT	43
210-44A	ST ENVOY IN OUT	44
210-45A	ST ENVOY IN OUT	45
210-46A	ST ENVOY IN OUT	46
210-47A	ST ENVOY IN OUT	47
210-48A	ST ENVOY IN OUT	48
210-49A	ST ENVOY IN OUT	49
210-50A	ST ENVOY IN OUT	50
210-51A	ST ENVOY IN OUT	51
210-52A	ST ENVOY IN OUT	52
210-53A	ST ENVOY IN OUT	53
210-54A	ST ENVOY IN OUT	54
210-55A	ST ENVOY IN OUT	55
210-56A	ST ENVOY IN OUT	56
210-57A	ST ENVOY IN OUT	57
210-58A	ST ENVOY IN OUT	58
210-59A	ST ENVOY IN OUT	59
210-60A	ST ENVOY IN OUT	60
210-61A	ST ENVOY IN OUT	61
210-62A	ST ENVOY IN OUT	62
210-63A	ST ENVOY IN OUT	63
210-64A	ST ENVOY IN OUT	64
210-65A	ST ENVOY IN OUT	65
210-66A	ST ENVOY IN OUT	66
210-67A	ST ENVOY IN OUT	67
210-68A	ST ENVOY IN OUT	68
210-69A	ST ENVOY IN OUT	69
210-70A	ST ENVOY IN OUT	70
210-71A	ST ENVOY IN OUT	71
210-72A	ST ENVOY IN OUT	72
210-73A	ST ENVOY IN OUT	73
210-74A	ST ENVOY IN OUT	74
210-75A	ST ENVOY IN OUT	75
210-76A	ST ENVOY IN OUT	76
210-77A	ST ENVOY IN OUT	77
210-78A	ST ENVOY IN OUT	78
210-79A	ST ENVOY IN OUT	79
210-80A	ST ENVOY IN OUT	80
210-81A	ST ENVOY IN OUT	81
210-82A	ST ENVOY IN OUT	82
210-83A	ST ENVOY IN OUT	83
210-84A	ST ENVOY IN OUT	84
210-85A	ST ENVOY IN OUT	85
210-86A	ST ENVOY IN OUT	86
210-87A	ST ENVOY IN OUT	87
210-88A	ST ENVOY IN OUT	88
210-89A	ST ENVOY IN OUT	89
210-90A	ST ENVOY IN OUT	90
210-91A	ST ENVOY IN OUT	91
210-92A	ST ENVOY IN OUT	92
210-93A	ST ENVOY IN OUT	93
210-94A	ST ENVOY IN OUT	94
210-95A	ST ENVOY IN OUT	95
210-96A	ST ENVOY IN OUT	96
210-97A	ST ENVOY IN OUT	97
210-98A	ST ENVOY IN OUT	98
210-99A	ST ENVOY IN OUT	99
210-100A	ST ENVOY IN OUT	100
210-101A	ST ENVOY IN OUT	101
210-102A	ST ENVOY IN OUT	

FRAME (3 / 5)
BYW-75P

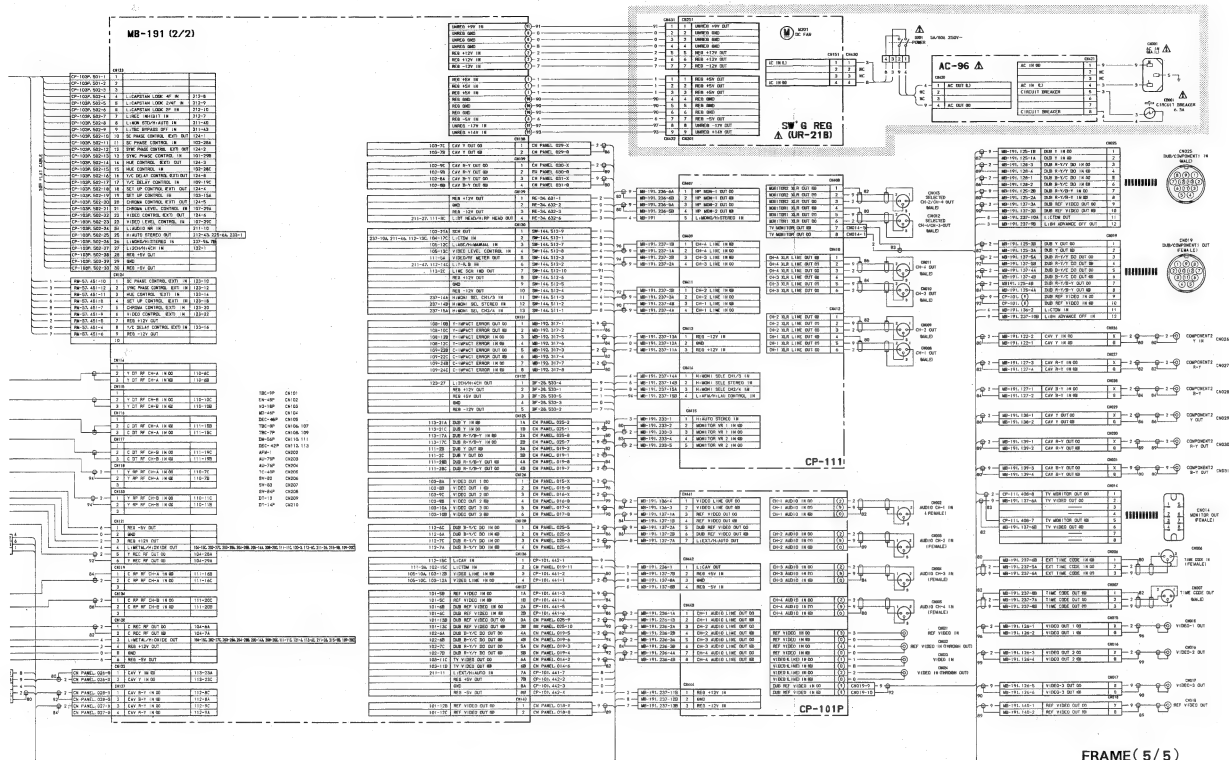






NOTE:

**The shaded area is for safety.
Replace only the shaded area.**



SECTION 17

PRINTED WIRING BOARDS

CIRCUIT CONFIGURATION

The circuit information is provided below.

System	Board	Circuit function	System	Board	Circuit function
VIDEO	DEC-39 *1	Y/C Separator	VIDEO	EN-48P	C Encoder
	DEC-46P *2	Y/C Separator		VO-18P	Video Output
	DEC-42P	C Decoder, C Compressor, Y Selector		DUS-270	Squelch Buffer
	CF-36P	Color Framing Detector		RE-34	Rotary Erase
	DUS-273	R-Y Clamp Level Adj.		CP-103P	Sub Control Panel
	MD-46P	Y/C Modulator		CP-101P	Video/Audio Input
	DUS-272PY	Y Non-Linear Preemphasis	AUDIO	BF-28	Audio Buffer/Level Detector
	DUS-272PC	C Non-Linear Preemphasis		VR-42	Audio REC/PB Volume
	RP-29P(Y)	Y REC/PB Amplifier		AU-75P	LNG Audio REC/PB Amplifier
	RP-29P(C)	C REC/PB Amplifier		AU-76P	LNG Audio Head Amplifier, Bias Oscillator
	DM-56P	Y/C Demodulator		AFM-1	AFM Audio Modulator/Demodulator
	DUS-259	Metal/Oxide LPF Switch		FL-61	Low-Pass Filter
	DUS-269	C RF Phase EQ.		CP-111	Audio Output Amplifier/Driver
	DUS-288 *3			CP-113	Audio Balanced Amplifier
	EQ-26 *3	RF EQ.		HP-33	Headphones Amplifier/Jack
	EQ-28 *3	RF EQ.		VR-62	Headphones Level Volume
	TBC-7P *4	Time Base Corrector		DP-74	Audio Level Meter
	TBC-7D *5	Time Base Corrector		DP-73	DC-AC/DC Converter
	TBC-8P *4	Time Base Corrector		SW-144	Select Switch/Display
	NR-25 *4	Y Digital Noise Reduction		DP-72	Video/RF Meter LED
	TBC-12P*5	Time Base Corrector		VR-61	Video/Tracking Control Volume
	NR-32 *5	Y Digital Noise Reduction, Read Lock Generator			
	TBC-9P	Time Base Corrector			

System	Board	Circuit function
SERVO	SV-82	Microcomputer Servo
	SV-83	Reel Servo
	SV-84P	Capstan/Drum Servo
	RE-28	Capstan/Drum Motor Driver
	PTC-20	Cassette Detector (Tape Thickness, Reel Hub Diameter, Metal/Oxide)
	PTC-36	Cassette Detector (Tape Thickness, Reel Hub Diameter, Metal/Oxide)
	PTC-21	Reel Table Position Detector
	PTC-23	REC Inhibit Detector
	DR-56	Capstan/Reel Motor Driver & Drum Error Amplifier
	RE-36	Reel Motor Driver
	RM-40	Reel Motor
	DE-15	Reel Motor FG
	SE-57	Threading Motor Control
	PTC-31	Threading Motor FG
	TR-18	Tape Tension Sensor
	DT-13	Dynamic Tracking
	DT-14P	Dynamic Tracking
	DUS-282	Strain Gage Buffer
	DT-15	Dynamic Tracking

System	Board	Circuit function
SYSTEM CONTROL	SY-61	System Control
	SY-64P	Time Code Reader/Generator
	RM-57	Remote Connector
	PD-35	Pinch/Cleaning Solenoid
	PTC-15	Thread/Unthread End Sensor
	CL-14	Cassette-up Compartment
	PC-47	Large/Small Cassette Detector
	PC-33	Cassette Down Detector
	PC-41	Cassette In Detector
	OCM-2	UP/DOWN Motor
	HC-11	Hours Meter
	KY-96	Keyboard
	KY-107	Keyboard
	KY-108	Keyboard
	DP-71	Time Counter Display
	PTC-32	Search Dial
	PT-9	Power Transistor
	TC-40P	LTC REC/PB Amplifier, Erase Driver
OTHERS	AC-96	Relay Board of AC Inlet
	M1	Switching Regulator
	M2	Switching Regulator
	C1	Switching Regulator
	C2	Switching Regulator
	MB-191	Mother Board
	MB-192	Mother Board
	EX-116	Extension Board
	EX-134	Extension Board
	EX-151	Extension Board

*1...Serial No. up to 11927

*2...Serial No. 11928 and higher

*3...Serial No. 11958 and higher

*4...Serial No. up to 12547

*5...Serial No. 12548 and higher

DEC-39 (1-623-874-12)

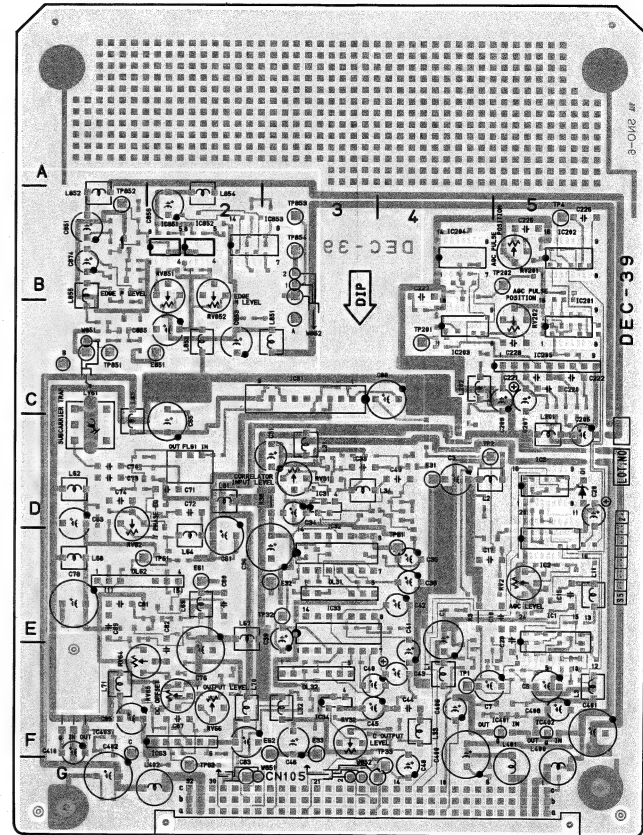
REF. NO	TYPE	PIN NO.					
		REG+12V	+9V	+5V	GND	-5V	REG-12V
IC 1	CKA1040M		24		15		
IC 2	CKA1039M		1.11		6		
IC 3	TC4053BP		16		8		
IC 31	AN507P	2			4		
IC 32	CK22013	11			13		
IC 33	CKA1020P	9			8		
IC 34	AN507P	2			4		
IC 61	BK-365A	3			7		
IC 63	VA UNIT			6		1	9
IC 201	SN74LS221NS			16	8		
IC 202	SN74LS221NS			16	8		
IC 203	SN74LS221NS			16	8		
IC 204	TC74HC74F			14	7		
IC 205	TA7357AP		9		5		
IC 401	NJMT8L09A	*	*	*	2	*	*
IC 402	NJMT8L05A	*	*	*	2	*	*
IC 403	NJMT8M05A	*	*	*	*	*	*
IC 651	MB40022P	8			1		
IC 652	MB40022P	8			4		
IC 653	SN74HC05NS			14	7		

* REFER TO SCHEMATIC

DEC-39 (1-623-874-12)

CN105	C-3	Q1	F-4	TP1	F-4
		Q5	E-5	TP2	D-4
D1	D-5	Q6	E-5	TP4	B-5
D401	F-5	Q7	E-5	TP31	E-4
D402	F-5	Q31	D-4	TP32	E-3
D403	F-1	Q32	D-3	TP33	E-3
		Q33	E-3	TP61	E-1
DL31	F-3	Q34	F-4	TP62	G-2
DL32	F-3	Q35	F-3	TP201	C-4
DL62	E-1	Q36	D-3	TP202	B-5
		Q37	D-4	TP651	C-1
E31	D-4	Q38	E-4	TP652	B-1
E32	E-3	Q65	D-1	TP653	B-3
E33	F-3	Q66	D-2	TP654	B-3
B61	F-2	Q69	E-2		
B62	F-3	Q70	E-2		
B651	C-2	Q71	E-1		
		Q72	F-2		
FL61	D-2	Q73	F-2		
		Q74	F-2		
IC1	E-5	Q851	C-1		
IC2	E-5	Q852	B-1		
IC3	D-5	Q853	B-1		
IC31	D-3				
IC32	E-3	RV2	E-5		
IC33	E-3	RV31	D-3		
IC34	F-3	RV32	F-3		
IC61	C-3	RV62	D-1		
IC63	F-2	RV64	F-1		
IC201	C-5	RV65	F-2		
IC202	B-5	RV66	F-2		
IC203	C-4	RV201	B-5		
IC204	B-4	RV202	C-5		
IC205	C-5	RV851	B-2		
IC401	F-5	RV852	B-2		
IC402	F-5				
IC403	F-1				
IC651	B-2				
IC652	B-2				
IC653	B-2				
LW61	B-1				

17-3 (a)



DEC-39 — COMPONENT SIDE —
 1-623-874-12
 BVW-75P
 BVW-75P
 BVW-96P

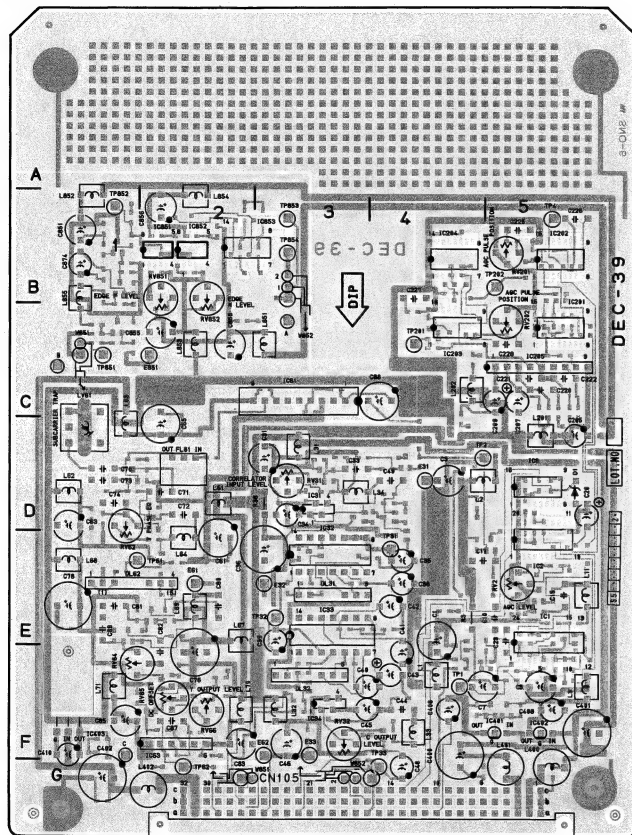
17-4 (a)

DEC-39; Y/C SEPARATOR S/N up to 11927

REG-12V

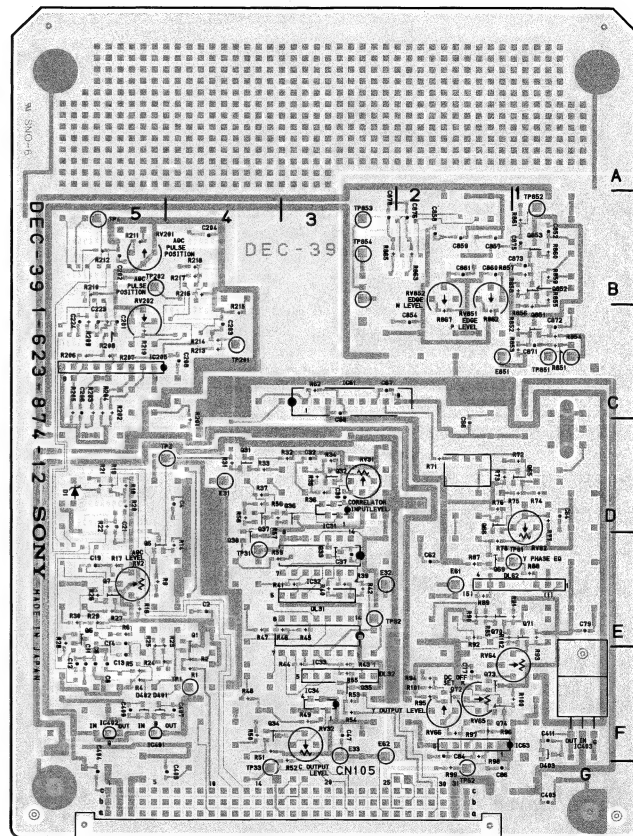
9

SCHEMATIC



DEC-39 — COMPONENT SIDE —
 1-623-874-12
 BVW-70P
 BVW-75P
 BVW-96P

17-4 (a)



DEC-39 — SOLDERING SIDE —
 1-623-874-12
 BVW-70P
 BVW-75P
 BVW-96P

17-5 (a)

DEC-46P; Y/C SEPARATOR

S/N 11928 and higher

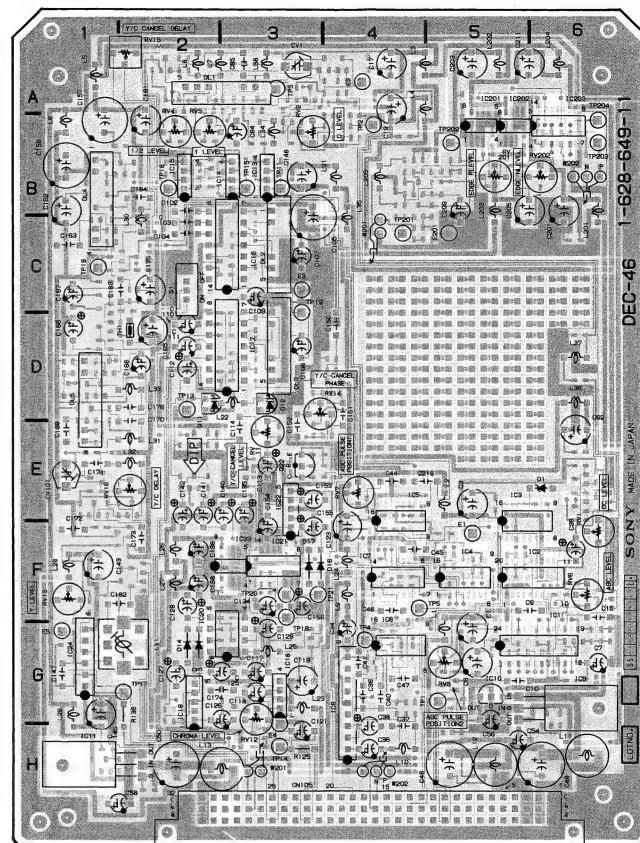
DEC-46P (1-628-649-11)

REF. NO.	TYPE	PIN NO.					
		RIG +12V	+9V	+5V	GND	-5V	RIG -12V
IC 1	CXA1040		24		15		
IC 2	CXA1039		1,11		6		
IC 3	TC40538P		16		6,7,8		
IC 4	SN74LS221NS			16	8		
IC 5	SN74LS221NS			16	8		
IC 6	SN74LS221NS			16	8		
IC 7	TC140274P			14	7		
IC 8	TA7357AP		9		5		
IC 9	NUM7805DA				*		
IC 10	NUM78L05A				*		
IC 11	NUM78W05A				*		
IC 13	ANG08P				4		
IC 14	ANG08P				4		
IC 15	ANG07P				4		
IC 16	CX22013				13		
IC 17	CXA1020P				9		
IC 18	ANG07P				4		
IC 19	ME215L				5		
IC 20	SN15913P				8		
IC 21	TC40668P				14		
IC 22	ME215L				6,7,12		
IC 23	TL082CPS	8		3	5		
IC 24	VA UNIT			6	3	1	4

* REFER TO SCHEMATIC

DEC-46P (1-628-649-11)

CN105	H-4	LVI	G-2	RV14	D-4
CV1	A-3	Q1	G-5	RV15	A-2
CV101	B-1	Q2	G-6	RV16	E-2
		Q3	G-6	RV201	B-5
		Q4	F-6	RV202	B-6
D1	E-6	Q5	E-6		
D2	E-6	Q6	E-6	TH1	D-1
D3	H-5	Q7	G-3	TP1	G-5
D4	B-1	Q8	B-2	TP2	B-4
D11	D-2	Q9	A-4	TP3	A-3
D12	D-3	Q10	A-4	TP4	G-4
D13	F-2	Q11	B-3	TP5	F-4
D14	B-2	Q12	A-3	TP11	C-3
D15	E-2	Q13	A-3	TP12	C-3
D16	F-4	Q14	A-2	TP13	D-2
D17	F-3	Q15	A-2	TP14	B-3
D18	C-1	Q16	A-4	TP15	B-3
		Q17	A-3	TP16	F-3
DL1	A-2	Q18	A-2	TP17	C-2
DL2	C-3	Q19	C-2	TP18	B-2
DL3	D-3	Q21	C-3	TP19	C-1
DL4	B-1	Q22	F-3	TP20	F-3
DL5	D-1	Q23	B-3	TP21	F-4
		Q24	E-2	TP201	C-4
E1	F-5	Q25	D-3	TP202	B-5
E2	A-4	Q26	B-3	TP203	B-6
E3	C-3	Q27	G-3	TP204	B-6
E4	H-3	Q28	D-3		
E5	G-1	Q29	E-4		
E201	D-5	Q30	B-1		
		Q31	B-1		
IC1	G-6	Q32	C-2		
IC2	F-6	Q33	D-1		
IC3	E-5	Q34	D-1		
IC4	F-5	Q35	D-1		
IC5	A-4	Q36	D-1		
IC6	G-4	Q37	D-1		
IC7	F-4	Q38	E-1		
IC8	C-4	Q39	E-2		
IC9	G-6	Q40	E-1		
IC10	G-5	Q41	F-2		
IC11	B-1	Q42	F-2		
IC13	B-3	Q43	F-2		
IC14	B-3	Q44	F-2		
IC15	B-2	Q45	B-4		
IC16	C-3	Q46	B-4		
IC17	D-3	Q47	B-5		
IC18	G-3	RV1	F-6		
IC19	G-2	RV2	B-3		
IC20	F-3	RV4	B-2		
IC21	F-3	RV5	B-2		
IC22	E-4	RV6	F-6		
IC23	F-3	RV7	E-4		
IC24	G-1	RV8	G-5		
IC104	B-3	RV11	B-3		
IC201	B-3	RV12	H-3		
IC202	B-5	RV13	F-1		
IC203	B-6				



DEC-46P — COMPONENT SIDE —

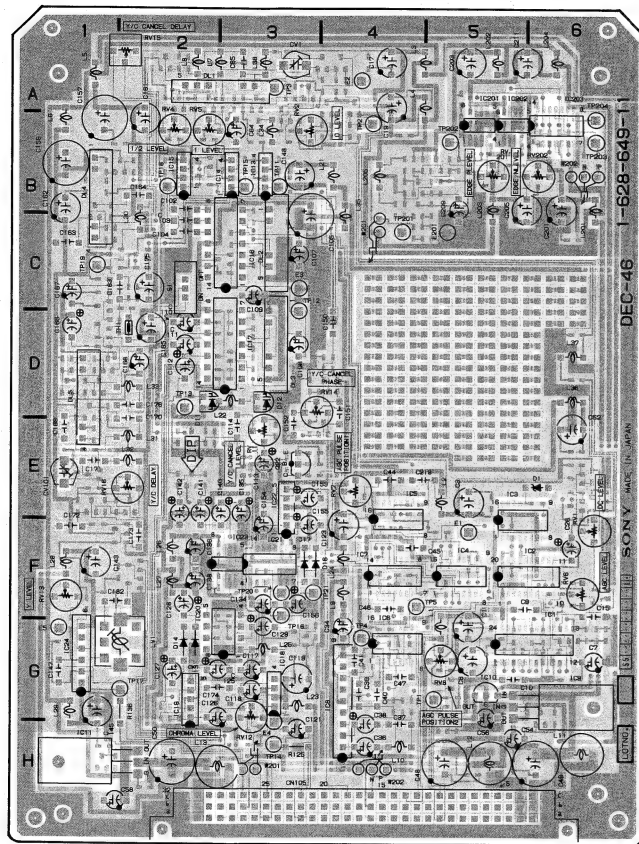
1-628-649-11
 9VW-50P
 9VW-75P
 9VW-90P

DEC-46P; Y/C SEPARATOR

S/N 11928 and higher

RV14 D-4
RV15 A-2
RV16 E-2
RV201 B-5
RV202 B-6

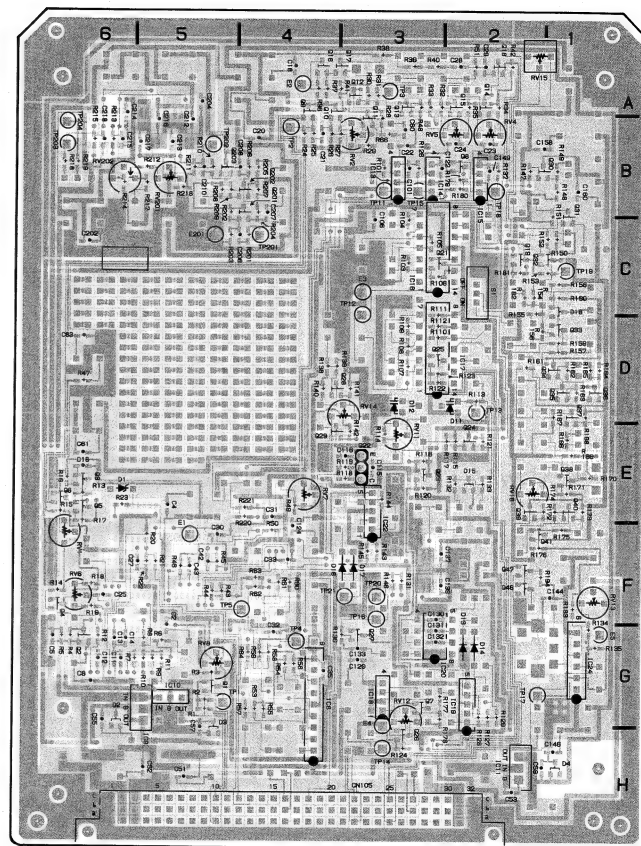
TH1 D-1
TP1 G-5
TP2 B-4
TP3 A-3
TP4 G-4
TP5 F-4
TP11 B-3
TP12 C-3
TP13 D-2
TP14 H-3
TP15 B-3
TP16 F-3
TP17 G-2
TP18 B-2
TP19 C-1
TP20 F-3
TP21 F-4
TP21 C-4
TP22 B-5
TP23 B-6
TP24 B-6



DEC-46P — COMPONENT SIDE —

1-628-649-11
BVW-70P
BVW-75P
BVW-96P

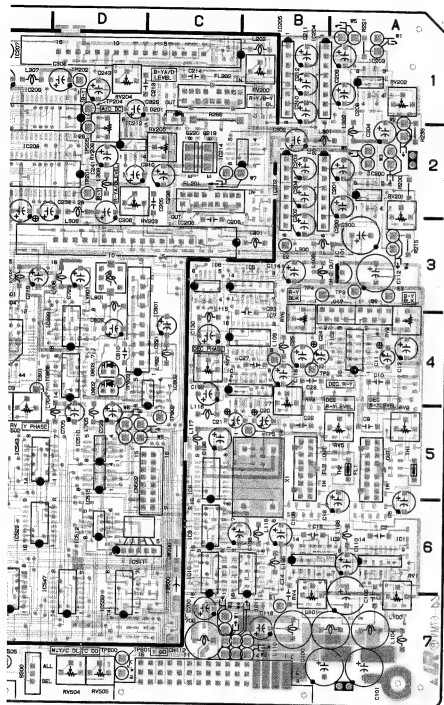
17-4 (b)



DEC-46P — SOLDERING SIDE —

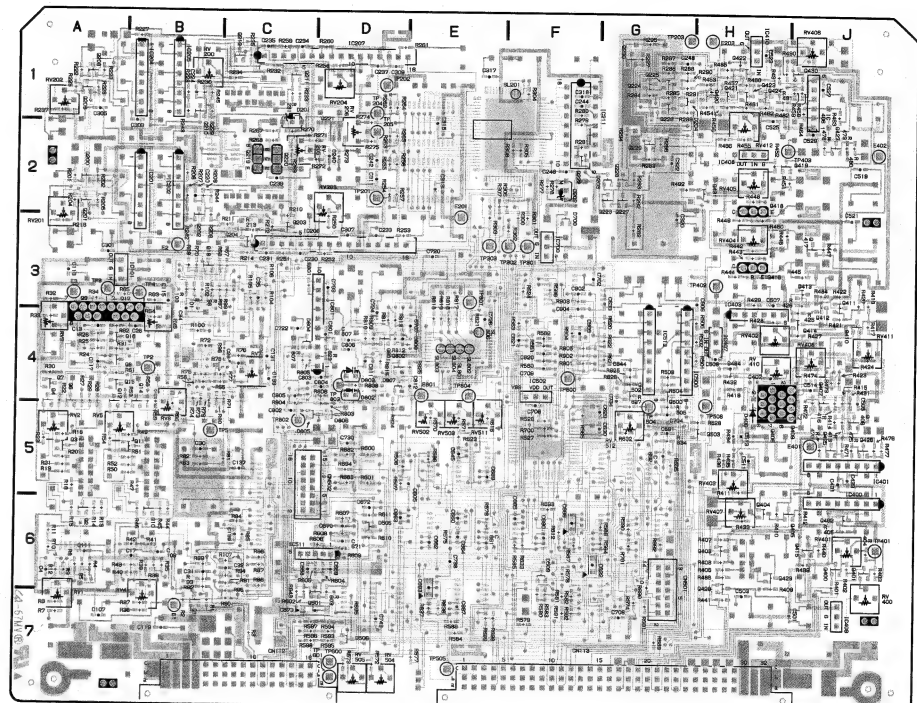
1-628-649-11
BVW-70P
BVW-75P
BVW-96P

17-5 (b)



DEC-42P — COMPONENT SIDE —

1-625-947-11
BVW-75P
BVW-75P
BVW-95P

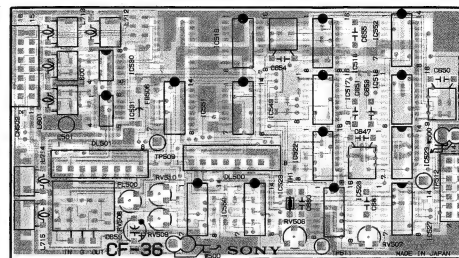


DEC-42P — SOLDERING SIDE —

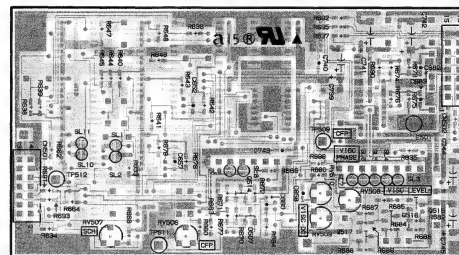
1-625-947-11
BVW-75P
BVW-75P
BVW-95P

CF-36P (1-625-948-11)

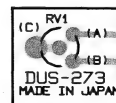
REF. NO.	TYPE	PIN NO.			
		+12V	+5V	GND	-5V
IC 516	SN74LS22NS		16	8	
IC 517	SN74LS22NS		16	8	
IC 518	SN74LS22NS		16	8	
IC 519	TC4053BP		16	7,8	
IC 522	SN74LS22NS		16	8	
IC 523	SN74LS164NS		14	7	
IC 527	TC74HC74F		14	7	
IC 528	SN74LS22NS		16	8	
IC 529	TC74HC74F		14	7	
IC 530	7840C2P	8	14	1	4
IC 549	TC74HC00F		14	7	
IC 550	TC74HC00F		14	7	
IC 551	TC74HC74F		14	7	

CF-36P; COLOR FRAME DETECTOR
DUS-273; R-Y CLAMP LEVEL ADJ.

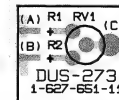
CF-36P — COMPONENT SIDE —

1-625-948-11
BVW-70P
BVW-75P
BVW-96P

CF-36P — SOLDERING SIDE —

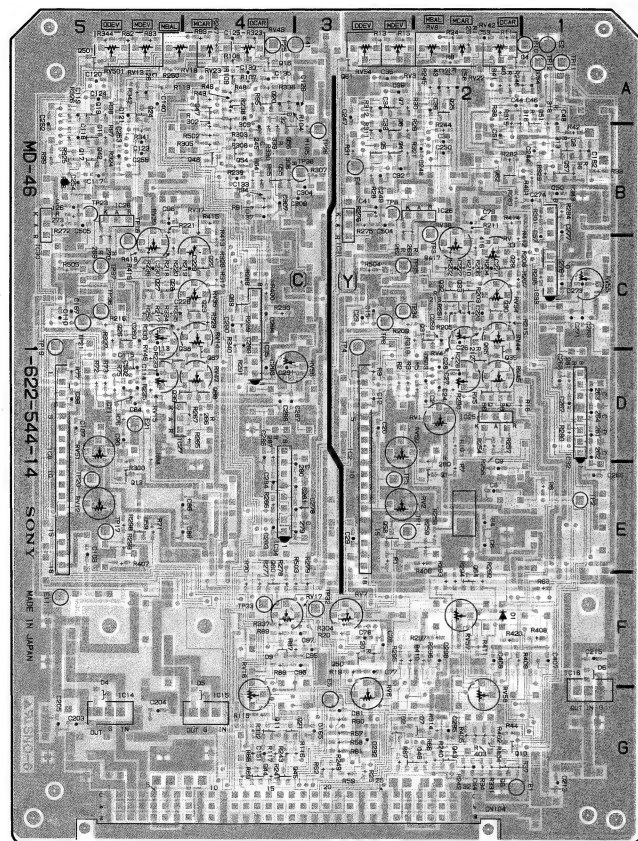
1-625-948-11
BVW-70P
BVW-75P
BVW-96P

DUS-273 — COMPONENT SIDE —

1-627-651-11
BVW-70P
BVW-75P
BVW-96P

DUS-273 — SOLDERING SIDE —

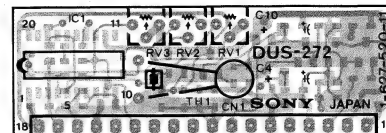
1-627-651-11
BVW-70P
BVW-75P
BVW-96P



ONENT SIDE —

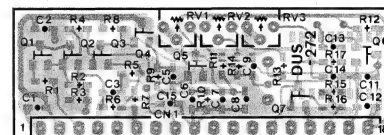
MD-46P — SOLDERING SIDE —

1-622-544-14
BVW-75P
BVW-96P



DUS-272PY/272PC — COMPONENT SIDE —

1-627-520-11
BVW-75P
BVW-96P



DUS-272PY/272PC — SOLDERING SIDE —

1-627-520-11
BVW-75P
BVW-96P

RP-29P (Y) ; Y REC/PB AMPLIFIER

RP-29P (C) ; C REC/PB AMPLIFIER

RP-29P (Y) (1-622-551-13)

REF. NO.	TYPE	PIN NO.		
		+12V	GND	-5V
IC 1	801306	2	5	6
IC 2	801306	2	5	6
IC 3	SRX1566-03	8	6	
IC 4	SRX1566-03	8	6	
IC 5	CC20061	*	5	
IC 6	CC20061	*	5	
IC 7	TC4009BP	1.16	8	
IC 8	TC4009BP	1.16	8	

* REFER TO SCHEMATIC

RP-29P (Y) (1-622-551-13)

CN1	C-3	SP1	C-3
CN2	C-2	SP2	C-1
CN3	A-2		
CN4	E-3	T1	C-3
CN5	E-3	T2	C-1
CN6	E-3	T3	C-3
CN7	E-1	T4	C-1
D1	B-4	TP1	E-3
D2	B-4	TP2	E-4
D3	B-4	TP3	C-3
D4	B-2	TP4	C-3
D5	D-2	TP5	C-2
D6	E-1	TP6	C-2
D7	E-1	TP7	A-4
D8	B-4	TP8	A-2
D9	B-2	TP9	E-1
		TP10	E-1
E1	E-3		
E2	A-3		

IC1	D-3
IC2	D-1
IC3	B-3
IC4	B-1
IC5	A-4
IC6	A-2
IC7	E-2
IC8	E-1

Q1	E-4
Q2	D-4
Q3	D-3
Q4	D-3
Q5	C-4
Q6	C-4
Q7	B-4
Q8	D-2
Q9	D-2
Q10	D-2
Q11	C-2
Q12	C-2
Q13	B-2

RV1	D-3
RV2	D-4
RV3	D-1
RV4	D-2
RV5	D-3
RV6	D-1
RV7	C-4
RV8	C-4
RV9	C-2
RV10	C-2
RV11	B-3
RV12	D-4
RV13	E-4
RV14	E-2

RP-29P (C) (1-622-551-23)

REF. NO.	TYPE	PIN NO.		
		+12V	GND	-5V
IC 101	801306	2	5	6
IC 102	801306	2	5	6
IC 103	801302	*	5	
IC 104	801302	*	6	
IC 105	CC20061	*	5	
IC 106	CC20061	*	5	
IC 107	TC4009BP	1.16	8	
IC 108	TC4009BP	1.16	8	

* REFER TO SCHEMATIC

RP-29P (C) (1-622-551-23)

CN101	C-3	SP101	C-3
CN102	C-2	SP102	C-2
CN103	A-3		
CN104	E-3	T101	C-3
CN105	E-2	T102	C-1
CN106	E-4	T103	C-3
CN107	E-1	T104	C-1

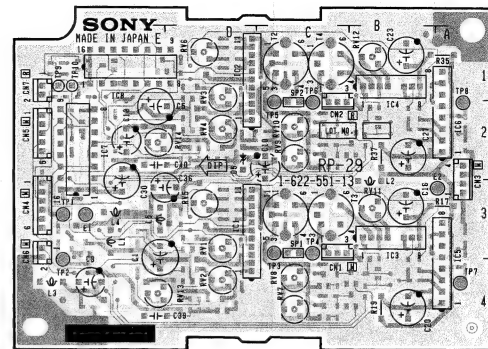
D101	B-4	TP101	E-3
D102	B-4	TP102	E-4
D103	B-2	TP103	C-3
D104	B-2	TP104	C-3
D105	D-2	TP105	C-2
D106	E-1	TP106	C-2
D107	E-1	TP107	A-4
D108	B-4	TP108	A-1
D109	B-2	TP109	E-1
		TP110	E-1

E101	E-3
E102	B-2

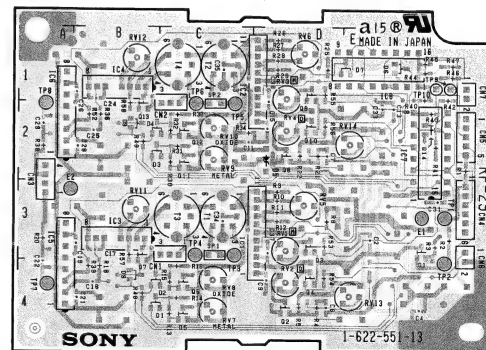
IC101	D-3
IC102	D-1
IC103	B-3
IC104	B-1
IC105	A-4
IC106	A-2
IC107	E-2
IC108	E-1

Q101	E-4
Q102	D-4
Q103	D-3
Q104	E-4
Q105	C-4
Q106	C-4
Q107	B-4
Q108	D-2
Q109	D-2
Q110	D-2
Q111	C-2
Q112	C-2
Q113	B-2
Q114	E-2

RV101	D-3
RV102	D-4
RV103	D-1
RV104	D-2
RV105	D-3
RV106	D-1
RV107	C-4
RV108	C-4
RV109	C-2
RV110	C-2
RV111	B-3
RV112	B-1



RP-29P (Y) — COMPONENT SIDE —

1-622-551-13
BVW-75P
BVW-76P
BVW-96P

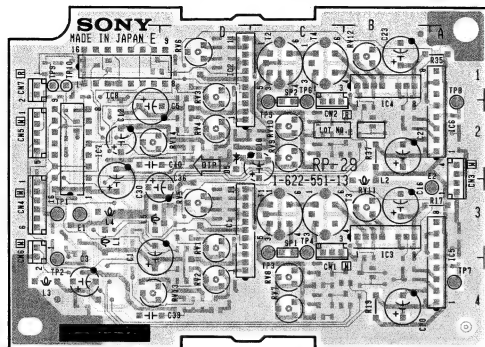
RP-29P (Y) — SOLDERING SIDE —

1-622-551-13
BVW-75P
BVW-76P
BVW-96P

RP-29P (Y) ; Y REG/PB AMPLIFIER
RP-29P (C) ; C REG/PB AMPLIFIER

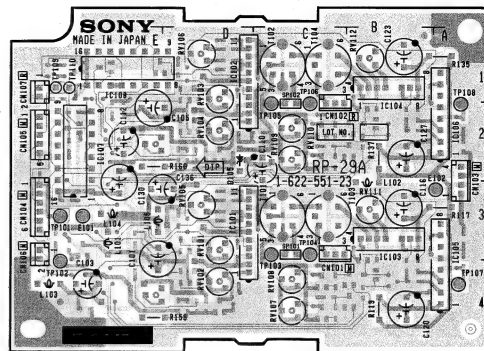
N NO.	
GND	-5V
5	6
5	6
5	6
5	6
5	6
5	6
5	6
5	6
5	6

PER TO SCHEMATIC



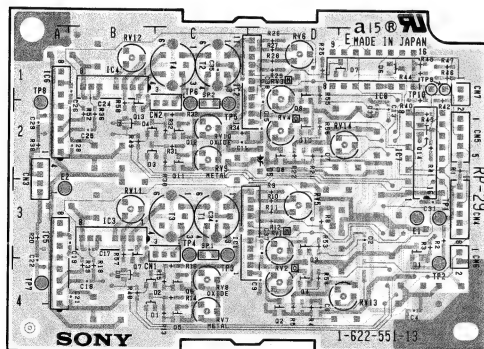
RP-29P (Y) — COMPONENT SIDE —

1-622-551-13
BVW-70P
BVW-75P
BVW-96P



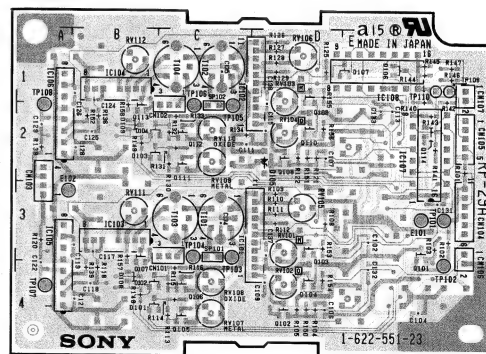
RP-29P (C) — COMPONENT SIDE —

1-622-551-23
BVW-70P
BVW-75P
BVW-96P



RP-29P (Y) — SOLDERING SIDE —

1-622-551-13
BVW-70P
BVW-75P
BVW-96P



RP-29P (C) — SOLDERING SIDE —

1-622-551-23
BVW-70P
BVW-75P
BVW-96P

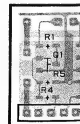
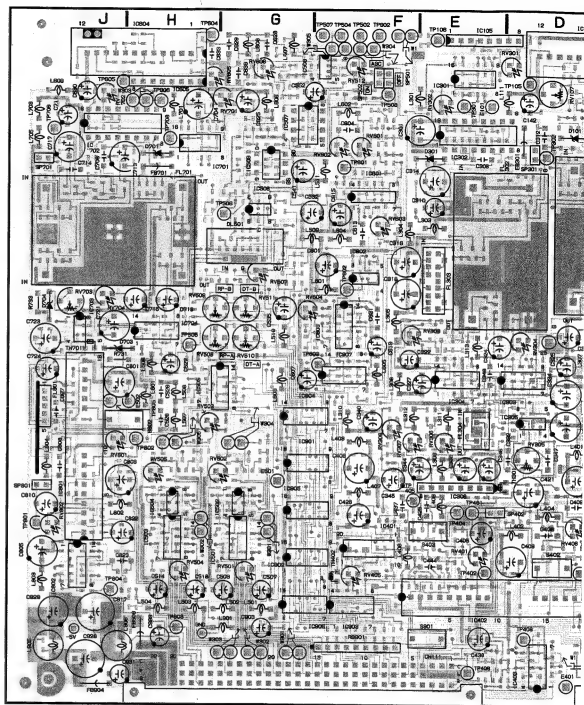
56P (1-622-542-32)

REF. NO.	TYPE	PIN NO.					
		+12V	+9V	+5V	REG +5V	GND	-12V
C 1	CK20158			12		5.7, 10	1
C 2	CK20158			12		5.7, 10	1
C 3	μPC1663G			6		5.7, 10	3
C 102	μPC1663G			6		5.7, 10	3
C 103	NJM4538M			6		5.7, 10	4
C 104	HF UNIT			12		1.5, 10	5
C 105	CK20061						14
C 201	NJM4595M						
C 202	TL082CPS			8		7	13
C 203	SN75107AN			14		8	4
C 204	TL082CPS			14		7	4
C 205	TC4053BF			16		8	7
C 206	SN74ALS06NS			14		2, 3, 9	
C 207	RX1058			12		10	
C 301	MC10115H				1.16	8	
C 302	MC10158L				1.16	8	
C 303	CK20158			12		5.7, 10	1
C 304	CK20158			12		5.7, 10	1
C 305	μPC1663G					5	
C 306	CK20061					16, 18	
C 401	CXA1039M					5.7, 10	
C 402	SXA1540-31			19		9, 15	2
C 403	CK20158			12		5.7, 10	1
C 501	CK20158			12		5.7, 10	1
C 502	μPC1663G			6		5.7, 10	3
C 503	CK20158			12		5.7, 10	1
C 504	μPC1663G			6		5.7, 10	3
C 505	CK20158			12		5.7, 10	1
C 507	SN15913P						
C 508	NJM4538M			8		4	14
C 509	NJM4595M			8			
C 601	TL082CPS					4	
C 604	SN75107AN			14		1.5, 10	13
C 605	HF UNIT					5	
C 701	CK20061					8	
C 702	MC10115M				1.16	8	
C 703	MC10158L				1.16	8	
C 704	μPC1663G			6		5.7, 10	7
C 704	CK20158			19		5.7, 10	
C 801	SXA1540-21			4		1.5, 9, 15	2
C 802	CK20158			12		5.7, 10	1
C 901	TC74HC049P			1		16, 18	
C 902	TC74HC049P			1		7	
C 903	TC74HC08P			14		8	
C 904	TC74HC08P			14		7	
C 905	TC74HC08P			1		8	
C 906	TC74HC08P			14		7	
C 907	NJM7805A						
C 909	NJM7805A						

* REFER TO SCHEMATIC

DM-56P (1-622-545-32)

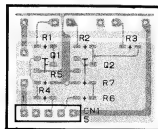
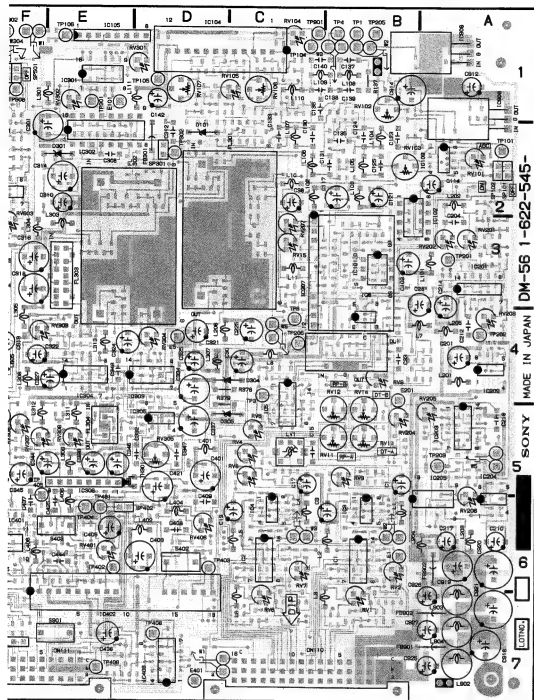
CK110	B-7	IC593	F-4	Q303	D-2	Q814	J-6
CK111	E-7	IC594	H-1	Q304	E-3	Q901	E-3
		IC605	H-1	Q305	D-2	Q902	C-2
D101	D-2	IC701	H-2	Q306	D-2		
D201	A-5	IC702	J-1	Q307	D-3		
D202	A-5	IC703	J-4	Q308	E-2		
D201	E-2	IC704	H-4	Q309	E-3		
D302	E-2	IC801	J-5	Q310	E-3		
D303	D-5	IC802	J-6	Q311	E-4		
D304	D-4	IC901	G-5	Q312	E-4		
D305	D-5	IC902	G-6	Q313	D-5		
D601	F-4	IC903	F-7	Q314	E-5		
D701	H-2	IC904	G-5	Q315	E-5		
D702	H-2	IC905	G-6	Q316	E-5		
D703	J-4	IC906	G-7	Q317	F-5		
D704	J-3	IC907	F-4	Q318	F-5		
D801	H-6	IC908	A-1	Q401	D-6		
D802	H-6	IC909	A-1	Q402	D-6		
D902	A-1	IC910	A-1	Q403	D-5		
		LV1	C-5	Q404	D-6		
				Q405	E-6		
DL1	B-4	Q1	B-7	Q410	D-6		
DL501	G-3	Q2	B-7	Q411	E-6		
		Q3	D-7	Q412	E-6		
		Q4	B-6	Q413	F-6		
		Q5	D-4	Q414	F-6		
		Q6	B-6	Q415	E-7		
		Q7	B-6	Q416	F-6		
		Q8	B-4	Q501	G-6		
		Q9	C-5	Q502	G-6		
		Q10	C-7	Q503	H-5		
		Q11	C-6	Q504	H-5		
		Q12	C-6	Q505	H-6		
		Q13	B-6	Q506	H-6		
		Q14	C-4	Q507	C-3		
		Q15	B-4	Q508	H-5		
		Q16	B-4	Q509	H-4		
		Q17	B-4	Q510	H-4		
		Q18	B-4	Q511	H-3		
		Q19	B-4	Q512	H-3		
		Q20	B-4	Q513	H-4		
		Q21	B-5	Q514	H-4		
		Q22	B-5	Q515	H-4		
		Q23	B-5	Q516	H-4		
		Q24	B-5	Q517	G-3		
		Q25	B-6	Q518	G-3		
		Q26	B-3	Q519	G-3		
		Q27	C-3	Q520	G-2		
		Q28	B-2	Q521	G-2		
		Q29	B-3	Q522	G-2		
		Q30	B-3	Q523	G-2		
		Q31	B-3	Q524	G-2		
		Q32	B-3	Q525	G-2		
		Q33	B-3	Q526	H-1		
		Q34	A-2	Q527	H-3		
		Q35	A-2	Q528	H-3		
		Q36	A-2	Q529	H-3		
		Q37	A-2	Q530	H-3		
		Q38	A-2	Q531	H-3		
		Q39	A-2	Q532	H-3		
		Q40	A-2	Q533	H-3		
		Q41	A-2	Q534	H-3		
		Q42	A-2	Q535	H-3		
		Q43	A-2	Q536	H-3		
		Q44	A-2	Q537	H-3		
		Q45	A-2	Q538	H-3		
		Q46	A-2	Q539	H-3		
		Q47	A-2	Q540	H-3		
		Q48	A-2	Q541	H-3		
		Q49	A-2	Q542	H-3		
		Q50	A-2	Q543	H-3		
		Q51	A-2	Q544	H-3		
		Q52	A-2	Q545	H-3		
		Q53	A-2	Q546	H-3		
		Q54	A-2	Q547	H-3		
		Q55	A-2	Q548	H-3		
		Q56	A-2	Q549	H-3		
		Q57	A-2	Q550	H-3		
		Q58	A-2	Q551	H-3		
		Q59	A-2	Q552	H-3		
		Q60	A-2	Q553	H-3		
		Q61	A-2	Q554	H-3		
		Q62	A-2	Q555	H-3		
		Q63	A-2	Q556	H-3		
		Q64	A-2	Q557	H-3		
		Q65	A-2	Q558	H-3		
		Q66	A-2	Q559	H-3		
		Q67	A-2	Q560	H-3		
		Q68	A-2	Q561	H-3		
		Q69	A-2	Q562	H-3		
		Q70	A-2	Q563	H-3		
		Q71	A-2	Q564	H-3		
		Q72	A-2	Q565	H-3		
		Q73	A-2	Q566	H-3		
		Q74	A-2	Q567	H-3		
		Q75	A-2	Q568	H-3		
		Q76	A-2	Q569	H-3		
		Q77	A-2	Q570	H-3		
		Q78	A-2	Q571	H-3		
		Q79	A-2	Q572	H-3		
		Q80	A-2	Q573	H-3		
		Q81	A-2	Q574	H-3		
		Q82	A-2	Q575	H-3		
		Q83	A-2	Q576	H-3		
		Q84	A-2	Q577	H-3		
		Q85	A-2	Q578	H-3		
		Q86	A-2	Q579	H-3		
		Q87	A-2	Q580	H-3		
		Q88	A-2	Q581	H-3		
		Q89	A-2	Q582	H-3		
		Q90	A-2	Q583	H-3		
		Q91	A-2	Q584	H-3		
		Q92	A-2	Q585	H-3		

DM-56P; V/C DEMODULATOR
DUS-259; METAL/OXIDE LPF SWITCH
DUS-269; C RF PHASE EQUALIZER

DUS-259 — COMPONENT SIDE —

DUS-259 — SOI

1-626-836-11
BVW-65P BVW-75P
BVW-65P BVW-65P
BVW-70P BVW-65P1-626-836-11
BVW-65P BVW-75P
BVW-65P BVW-65P
BVW-70P BVW-65P

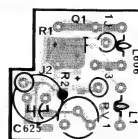
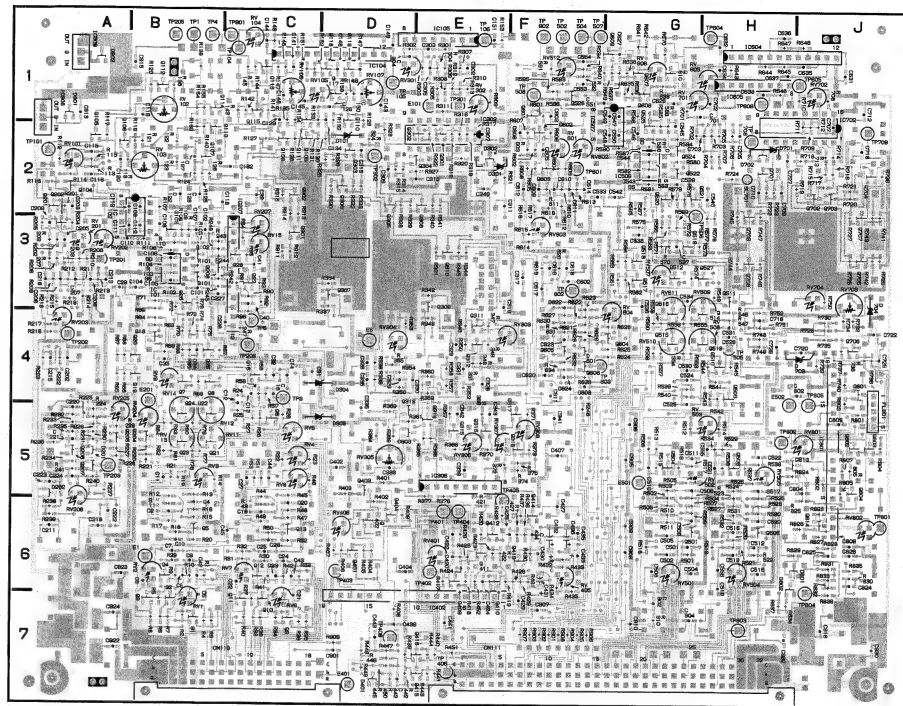


DUS-259 — SOLDERING SIDE —

1-628-838-11
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P

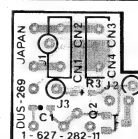
DM-56P — COMPONENT SIDE —

1-622-545-32
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P



DUS-269 — COMPONENT SIDE —

1-627-262-11
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P



DUS-269 — SOLDERING SIDE —

1-627-262-11
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P

DM-56P — SOLDERING SIDE —

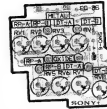
1-622-545-32
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P

DUS-288, EQ-26, EQ-28

DUS-288, EQ-26, EQ-28

DUS-288;
EQ-26; RF EQUALIZER
EQ-28; RF EQUALIZER

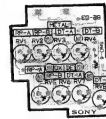
S/N 11958 and higher



EQ-26—COMPONENT SIDE—
1-628-878-11
BVW-60P BVW-75P
BVW-65P BVW-85P
BVW-70P BVW-95P



EQ-26—SOLDERING SIDE—
1-628-878-11
BVW-60P BVW-75P
BVW-65P BVW-85P
BVW-70P BVW-95P



EQ-28—COMPONENT SIDE—
1-628-878-11
BVW-60P BVW-75P
BVW-65P BVW-85P
BVW-70P BVW-95P



EQ-28—SOLDERING SIDE—
1-628-878-11
BVW-60P BVW-75P
BVW-65P BVW-85P
BVW-70P BVW-95P



DUS-288—COMPONENT SIDE—
1-628-943-11
BVW-60P BVW-75P
BVW-65P BVW-85P
BVW-70P BVW-95P



DUS-288—SOLDERING SIDE—
1-628-943-11
BVW-60P BVW-75P
BVW-65P BVW-85P
BVW-70P BVW-95P

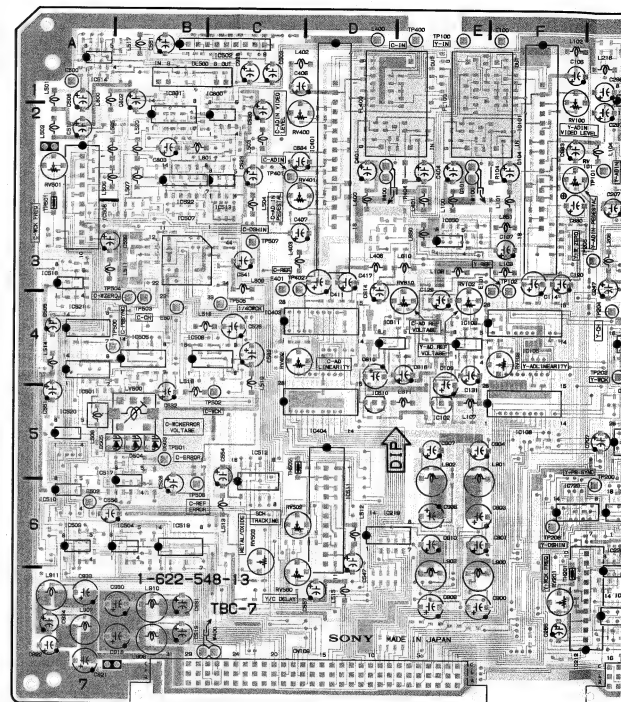
TBC-7P (1-622-548-13)

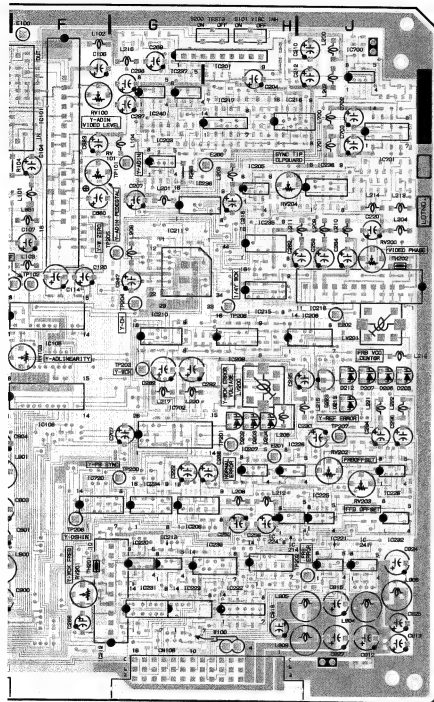
REF. NO.	TYPE	PIN. NO					
		+12V	+9V	+5V	GND	-5V	-12V
IC 101	SRX4002-01	2.11	*	*	4.13	*	5.14
IC 102	TL431CUPB	8					
IC 103	TL082CPS						
IC 105	CXA1095H			3.25, 26	13.14, 15, 18	13.17	4
IC 108	CD01310AM			21			
IC 201	TAT3737AP						
IC 203	MB4002PF	8			5		4
IC 205	MB4002PF	8			1		4
IC 206	SN74LS221NS			16	8		
IC 207	TL082CPS	8					4
IC 208	SN74LS06NS			*	7		
IC 209	MC10R115M			9	1.16	8	
IC 210	MC10R125M				16		
IC 211	CD0104540			17.39	1.6, 28		
IC 212	BX-1461	8			4.7		
IC 213	TL082CPS	8					4
IC 214	TL601CPS	8					5
IC 215	SN74LS221NS			16	8		
IC 216	BX-1460	10			8		9
IC 217	μPC31362	11			3.8		6
IC 218	TC74HC221F			16	8		
IC 219	TC574HC74P			14	7		
IC 220	TL082CPS	8					4
IC 221	TL601CPS	8					5
IC 222	μPC31362				12		
IC 223	TC74HC32P			14	7		
IC 224	TC74HC00P			14	7		
IC 225	TL082CPS	8					4
IC 226	TL601CPS	8					5
IC 231	TC74HC08P			14	7		
IC 232	TL601CPS	8			1		5
IC 235	TC74HC157P			16	8		
IC 236	TC74HC157P			16	8		
IC 237	TL082CPS	8					4
IC 238	SN74LS123						
IC 239	TC74HC32P			10, 12	9, 13		
IC 241	μPC3036			5			
IC 401	SRX-4002-01	2.11		13.17	4.13		5.14
IC 403	CXA1095H				12.14, 15, 18		
IC 404	CD01310AM			21	7		
IC 501	TC74HC00P			14	7		
IC 502	TAT3737AP				5		
IC 504	TL082CPS	8					4
IC 505	SN74LS06NS			14	7		
IC 506	MC10R125M			17.39	1.6, 28		
IC 507	CD0104540				4.6		
IC 508	BX-1461	8					4
IC 509	TL082CPS	8					5
IC 510	TL601CPS	8					9
IC 511	BX-1460	10			8		
IC 512	SN74LS221NS			16	8		
IC 513	MB4002PF	8			1		4
IC 514	TL601CPS	8					5
IC 515	TL082CPS	8					4
IC 517	TL082CPS	8					4
IC 519	TC74HC08P			14	7		
IC 520	TL601CPS	8					5
IC 610	TL431CUPB		*	*	*		
IC 611	TL082CPS	8					4
IC 650	MB4002PF	8			1		4
IC 700	TL601CPS	8			1		5
IC 701	CX20158			12	5.7, 10	1	
IC 702	CX7330A			18	14		
IC 720	TC74HC08P			24			
IC 800	TL601CPS	8			5.7, 10	1	5
IC 801	CX20158			14			

* REFER TO SCHEMATIC

TBC-7P (1-622-548-13)

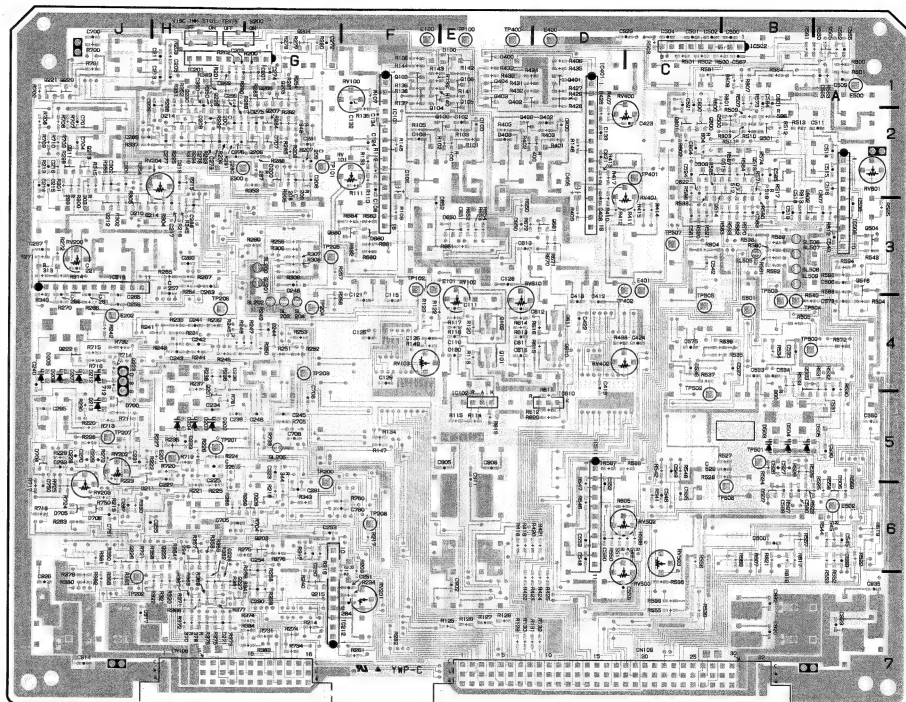
CN108	H-7	IC224	H-6	Q227	H-7	TP207	J-5
CN109	D-7	IC225	J-6	Q228	H-7	TP208	F-6
		IC226	H-5	Q229	H-2	TP400	E-1
D100	E-1	IC228	J-6	Q230	H-2	TP401	C-2
D200	G-2	IC231	G-7	Q400	E-2	TP402	D-3
D202	H-5	IC232	J-6	Q401	E-1	TP500	D-4
D203	H-5	IC234	G-6	Q402	E-1	TP501	D-5
D204	H-5	IC235	H-3	Q403	E-1	TP502	C-4
D205	J-4	IC236	E-1	Q404	E-1	TP503	B-3
D206	J-4	IC237	E-1	Q500	B-1	TP504	B-3
D207	J-4	IC238	J-2	Q501	R-2	TP505	C-3
D208	G-6	IC239	G-6	Q503	C-4	TP506	C-5
D209	H-3	IC240	G-1	Q504	A-3	TP507	C-3
D210	J-3	IC241	J-6	Q505	A-1		
D211	J-6	IC401	D-2	Q512	B-2		
D212	J-4	IC403	D-4	Q513	B-2		
D213	J-5	IC404	D-4	Q514	B-2		
D214	H-2	IC501	A-4	Q515	B-2		
D400	E-1	IC502	C-1	Q516	B-2		
D503	B-5	IC504	B-6	Q610	A-4		
D504	B-5	IC505	B-4	Q611	D-4		
D505	C-4	IC506	C-4	Q650	G-3		
D506	A-5	IC507	C-3	Q661	D-3		
D507	B-5	IC508	A-2	Q800	C-2		
D508	C-2	IC509	A-6	Q801	C-2		
D550	E-5	IC510	A-5	Q802	B-2		
D600	F-3	IC511	D-6	RV100	F-1		
D700	J-5	IC512	C-5	RV101	E-2		
D701	H-1	IC513	J-5	RV102	F-4		
D705	J-6	IC514	A-1	RV103	F-4		
D706	J-6	IC516	A-3	RV200	J-3		
D707	E-2	IC517	B-5	RV201	F-7		
		IC519	C-6	RV202	J-5		
DL500	C-1	IC520	A-5	RV203	J-5		
		IC522	B-2	RV304	B-2		
E100	F-1	IC523	B-2	RV400	D-1		
E101	F-4	IC610	E-4	RV401	D-2		
E200	H-1	IC611	E-4	RV402	C-4		
E201	H-5	IC650	E-3	RV500	D-6		
E202	J-5	IC701	J-1	RV501	A-2		
E400	D-1	IC702	C-5	RV502	D-6		
E401	D-4	IC703	F-6	RV503	D-5		
E500	A-1	IC720	F-6	RV610	F-3		
E501	C-4	IC800	C-1				
E502	A-6	IC801	B-1				
FL100	F-1	LV200	H-5	S101	H-1		
FL400	F-1	LV201	H-4	S200	G-1		
		LV500	B-5	SL200	G-3		
IC101	F-2	Q100	F-2	SL201	G-3		
IC102	F-4	Q101	E-4	SL202	G-3		
IC103	F-4	Q102	E-4	SL203	G-4		
IC105	F-4	Q103	F-1	SL204	G-4		
IC106	F-5	Q104	F-1	SL205	G-5		
IC201	C-1	Q105	B-1	SL206	B-3		
IC203	G-2	Q106	E-1	SL507	B-3		
IC205	B-2	Q201	B-5	SL508	B-3		
IC206	G-6	Q203	G-6	SL509	B-3		
IC207	H-5	Q204	C-4				
IC208	J-4	Q205	H-3	TH201	F-6		
IC209	H-4	Q206	G-1	TH202	J-7		
IC210	G-4	Q207	G-2	TH501	A-2		
IC211	C-3	Q208	C-2	TH502	D-5		
IC212	G-7	Q211	J-2				
IC213	G-6	Q212	J-2				
IC214	J-6	Q213	J-2	TP100	E-1		
IC215	H-3	Q214	F-3	TP101	C-2		
IC216	J-3	Q215	G-7	TP102	F-3		
IC217	H-2	Q220	J-1	TP201	H-5		
IC218	B-2	Q221	J-1	TP202	J-7		
IC219	B-2	Q222	J-4	TP203	G-4		
IC220	G-6	Q223	J-4	TP204	G-4		
IC221	J-6	Q224	G-7	TP205	F-3		
IC222	G-7	Q225	H-6	TP206	H-3		





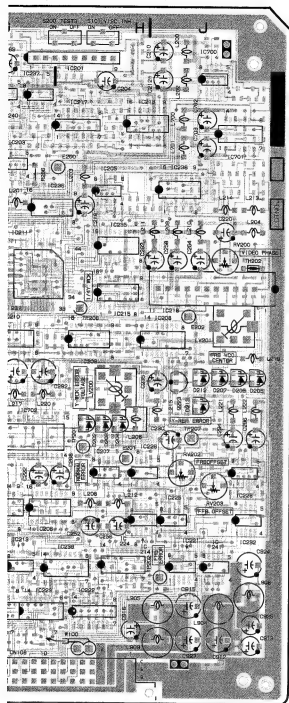
TBC-7P — COMPONENT SIDE —

1-622-548-13
 BVW-65P BVW-75P
 BVW-85P BVW-95P
 BVW-10P BVW-66P

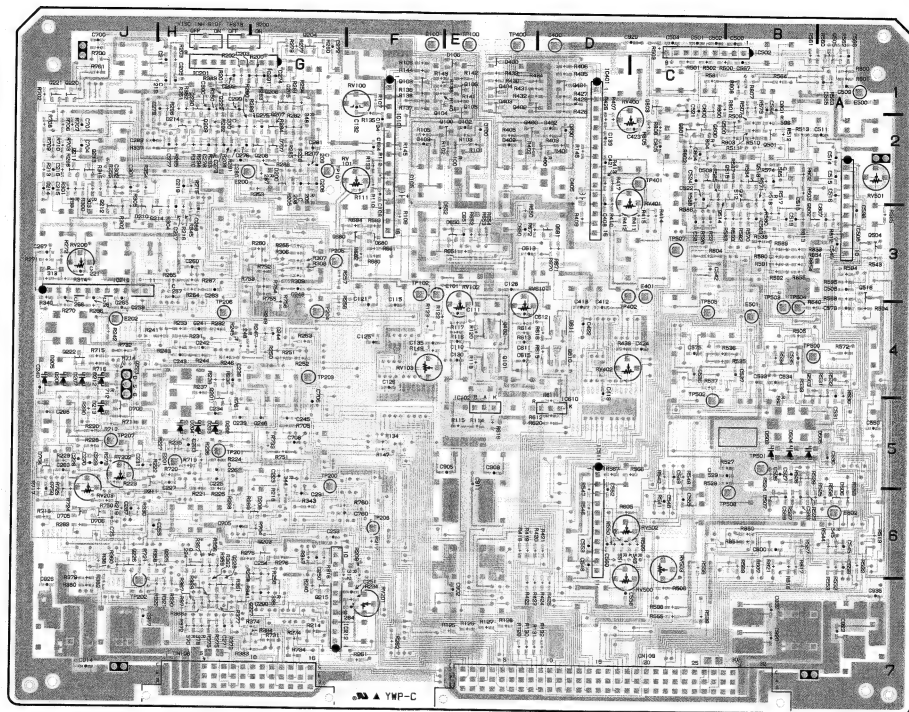


TBC-7P — SOLDERING SIDE —

1-622-548-13
 BVW-65P BVW-75P
 BVW-85P BVW-95P
 BVW-10P BVW-66P



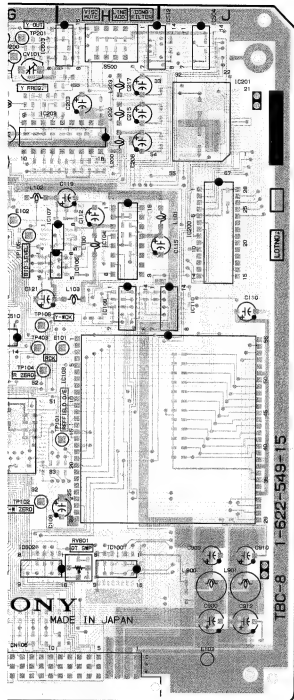
TBC-7D—COMPONENT SIDE—
1-622-548-14
BYW-60 BYW-75
BYW-65 BYW-95
BYW-70 BYW-90



TBC-7D—SOLDERING SIDE—
1-622-548-14
BYW-60 BYW-75
BYW-65 BYW-95
BYW-70 BYW-90

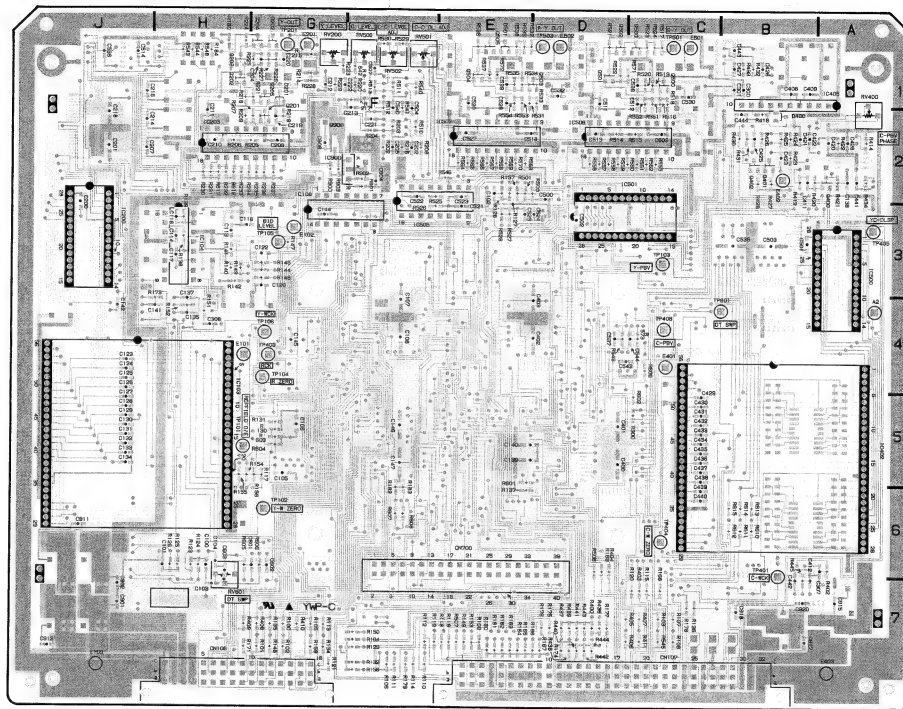
TBC-8P

TBC-8P



TBC-8P — COMPONENT SIDE —

1-622-549-15
 BVW-60P BVW-75P
 BVW-65P BVW-95P
 BVW-70P BVW-96P



TBC-8P — SOLDERING SIDE —

1-622-549-15
 BVW-60P BVW-75P
 BVW-65P BVW-95P
 BVW-70P BVW-96P

TBC-12P; TIME BASE CORRECTOR

S/N 12548 and higher

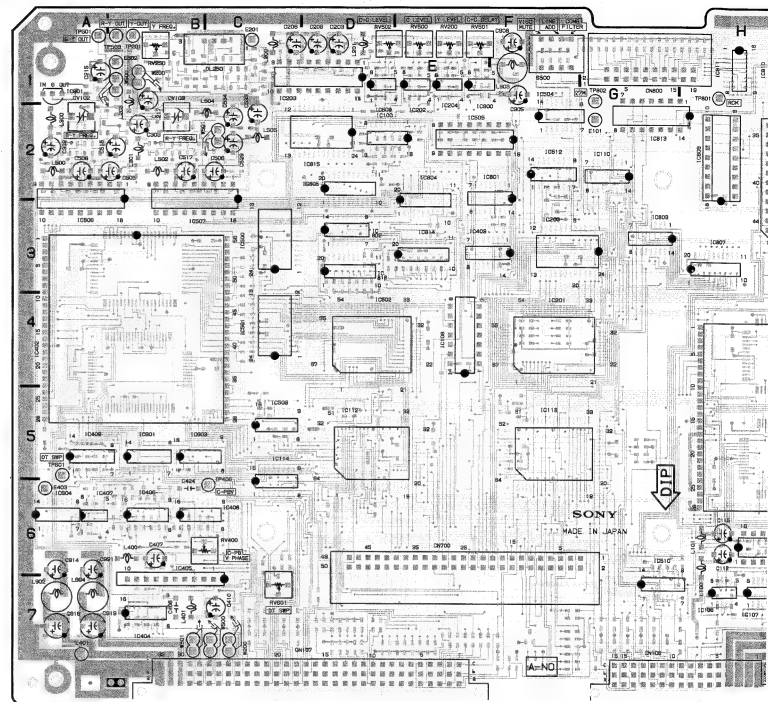
TBC-12P (1-629-462-11)

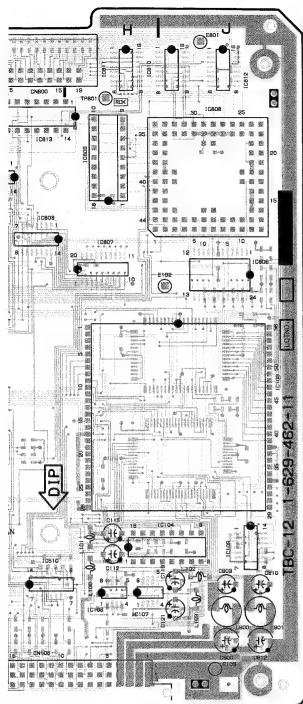
REF. NO.	TYPE	PIN. NO			
		+12V	+5V	GND	-5V -12V
IC 100	IC10102M	9	16	8	
IC 101	IC00101Q	26.58	10.42		
IC 102	IC0010234G	27.61	1.11.44		
IC 103	SS4001-01	28.51	17.35		
IC 104	TV5201P	13		3	
IC 106	RC4560M	8		4	
IC 107	TL6010PS	8	1	5	
IC 108	74F04C	14	7		
IC 109	TC74HC04P	14	7		
IC 110	TC74HC04P	14	7		
IC 112	IC000240	26.58	10.42		
IC 113	IC0012634G	26.58	10.42		
IC 114	SN74LS17NS	16			
IC 200	μP041101G-1	18			
IC 201	IC0011314	27.61	1.11.44		
IC 302	RC4560M	8		4	
IC 303	μB40778P	2.5.7.8	1.9		
IC 304	RC4560M	8		4	
IC 400	IC000119	26.58	10.42		
IC 401	IC0010234G	27.61	1.11.44		
IC 402	SS4001-01	28.51	17.35		
IC 403	TC74HC03P	14	7		
IC 404	TC74HC221P	16	8	3	
IC 405	BC1461	8		7	
IC 406	TL062PS	8	16	8	
IC 407	TL062PS	8	16	8	
IC 408	SN74LS221NS	16	8		
IC 409	TC74HC04P	14	7		
IC 500	μP041101G-1	18			
IC 501	μP041101G-1	18			
IC 502	IC0011314	27.61	1.11.44		
IC 504	TC74HC00P	14	1.16	8	
IC 505	IC001334	2.5.7.8	1.9		
IC 506	μB40778P	2.5.7.8	1.9		
IC 507	μB40778P	16	8		
IC 508	SN74LS221NS	16			
IC 509	RC4560M	8		4	
IC 510	TC74HC03P	14	7		
IC 512	SN74HC224NS	14	7		
IC 520	TC74HC04P	14	7		
IC 603	SN74LS17NS	16	8		
IC 604	SN74LS164NS	9.14			
IC 801	SN74HC30NS	14	7		
IC 802	SN74HC30NS	14	7		
IC 803	SN74HC30NS	14	7		
IC 804	SN74HC574NS	20	10		
IC 805	SN74HC574NS	20	10		
IC 806	μP041101G-1	18			
IC 807	SN74HC574NS	20	10		
IC 808	IC00101G	81.82.85.86	83.84.87.88		
IC 809	HT1122H	18	9		
IC 810	IC1010124M	9	16	8	
IC 811	IC1010124M	9	16	8	
IC 812	IC1010124M	16	9		
IC 813	74F04C	14	7		
IC 814	SN74HC574NS	20	10		
IC 815	μP041101G-1	18			
IC 816	SN74HC574NS	20	10		
IC 900	TL431CLP	*	*	*	*
IC 901	NM78L05A	*	*	*	*

* REFER TO SCHEMATIC

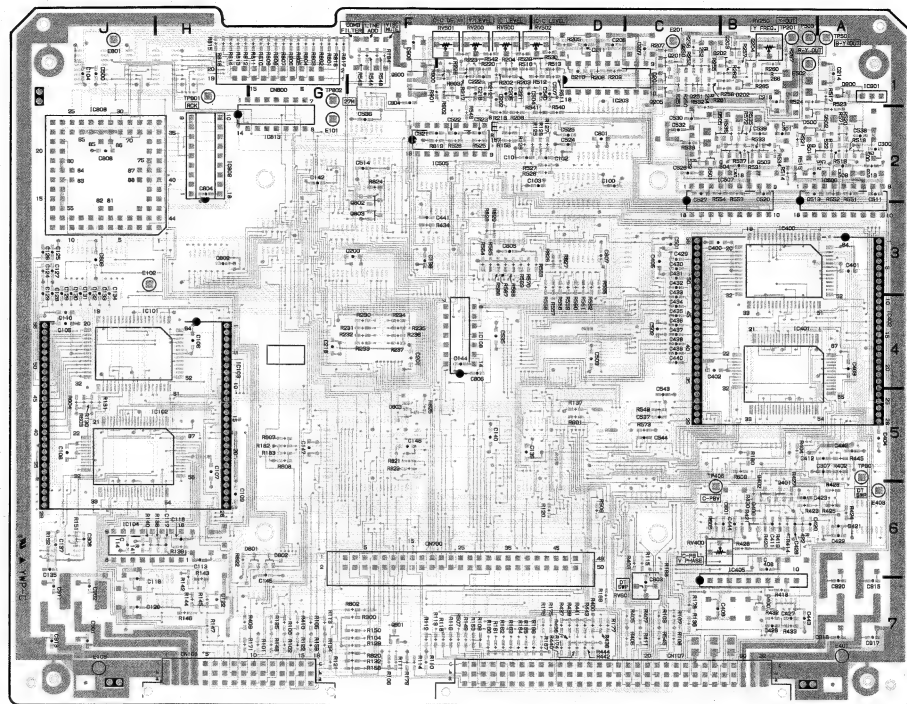
TBC-12P (1-629-462-11)

CU106	H-7	IC601	B-5
CU107	C-7	IC603	B-5
CU100	E-6	IC604	E-6
CU800	G-1	IC801	E-2
		IC802	E-1
		IC803	E-3
		IC804	E-2
		IC805	D-2
		IC806	J-3
		IC807	H-3
		IC808	J-2
		IC809	B-2
		IC810	J-1
		IC811	H-1
		IC812	J-1
		IC813	C-2
		IC814	E-3
		IC815	D-2
		IC816	B-1
		IC800	E-1
		IC801	A-1
		IC201	C-1
		IC202	B-1
		IC203	B-1
		IC204	B-1
		IC205	C-1
		IC206	C-1
		IC207	C-1
		IC400	B-6
		IC401	B-6
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		IC510	B-6
		IC511	B-6
		IC512	B-6

TBC-
1-629-46
BVW-65P
BVW-65P
BVW-65P



TBC-12P—COMPONENT SIDE—
1-629-462-11
BVW-60P BVW-70P
BVW-65P BVW-75P
BVW-65P BVW-95P



TBC-12P—SOLDERING SIDE—
1-629-462-11
BVW-60P BVW-70P
BVW-65P BVW-75P
BVW-65P BVW-95P

TBC-9P; TIME BASE CORRECTOR
NR-25; Y DIGITAL NOISE REDUCTION

TBC-9P (1-622-550-13)

REF. NO.	TYPE	PIN NO.				
		+12V	+5V	GND	-5V	-12V
IC 1	TC74HC00F	1	14	7		
IC 2	CX20061			5		
IC 4	CX7358		2	16		
IC 5	TC4053BP		16	14		
IC 6	CX7330A		28	14		
IC 7	TC74HC221F		16	8		
IC 8	TC74HC74F		16	8		
IC 9	TC74HC221F		16	8		
IC 10	CX7330A		28	14		
IC 11	TC74HC39F		14	7		
IC 12	TL082CPS	8		8		4
IC 13	SN74LS123NS		16			8
IC 14	KM14504					
IC 16	TC74HC39F		14	7		
IC 17	μPC39352		2	3		
IC 18	TL082CPS			8		4
IC 19	TC74HC123F	16				
IC 20	TL431C1PB		*	*	*	*
IC 21	CX7358		2	16		
IC 22	CX010244		27.61	1.11.44		
IC 23	CX7330A		28	14		
IC 24	CX20102		28	14		
IC 25	14F14P		14	7		
IC 26	TC74HC39F		14	7		
IC 27	TC74HC74F		14	7		
IC 28	TC74HC39F		14	7		
IC 29	TC74HC244F		20	10		
IC 30	SN74LS164NS		14	7		
IC 31	TC10H124H		9	16		
IC 32	TC74HC244F		20	10		8
IC 33	TC74HC123F	16		8		
IC 34	SN74LS14NS		14	7		
IC 35	TC74HC39F		14	7		
IC 36	SN74LS164NS		14	7		
IC 37	TL431C1PB		*	*	*	*
IC 38	TC74HC74F		14	7		
IC 40	TC74HC74F		14	7		
IC 41	SN74LS22NS		16	8		
IC 42	SN74LS22NS		16	8		
IC 200	PM4002PF	8		1		*
IC 201	TL082CPS					4
IC 202	TL061CPS			1		5
IC 203	μPC1942		11	3.8		6
IC 204	TC74HC221F	16		8		

* REFER TO SCHEMATIC

NR-25 (1-624-023-12)

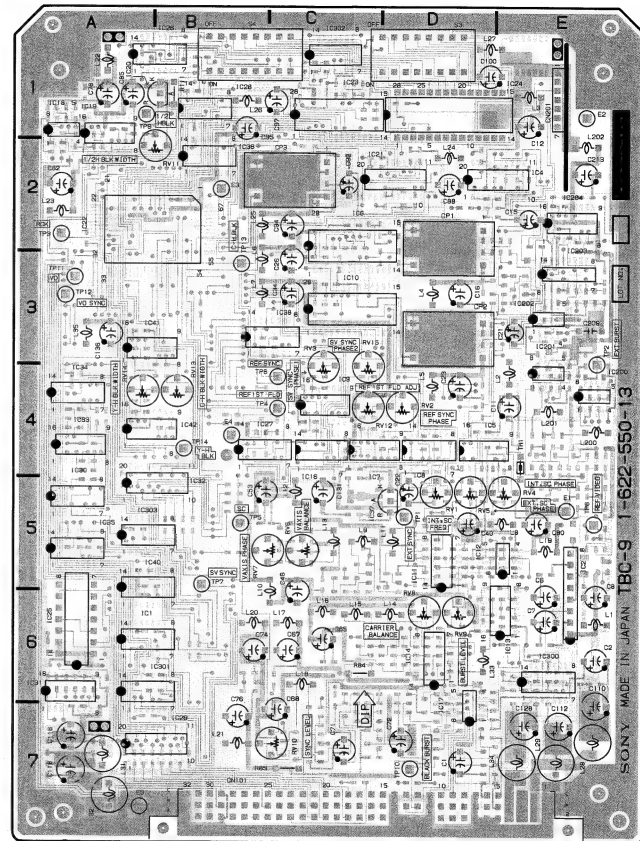
REF. NO.	TYPE	PIN NO.	
		+5V	GND
IC 701	CX01328H	33, 73	12, 32
IC 702	CX01322S	28	14
IC 703	CX01322S	28	14
IC 704	CX01322S	28	14
IC 705	SN74HC164NS	16	8
IC 706	SN74HC164NS	16	8
IC 707	SN74HC240NS	20	10

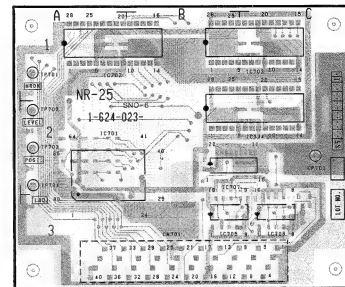
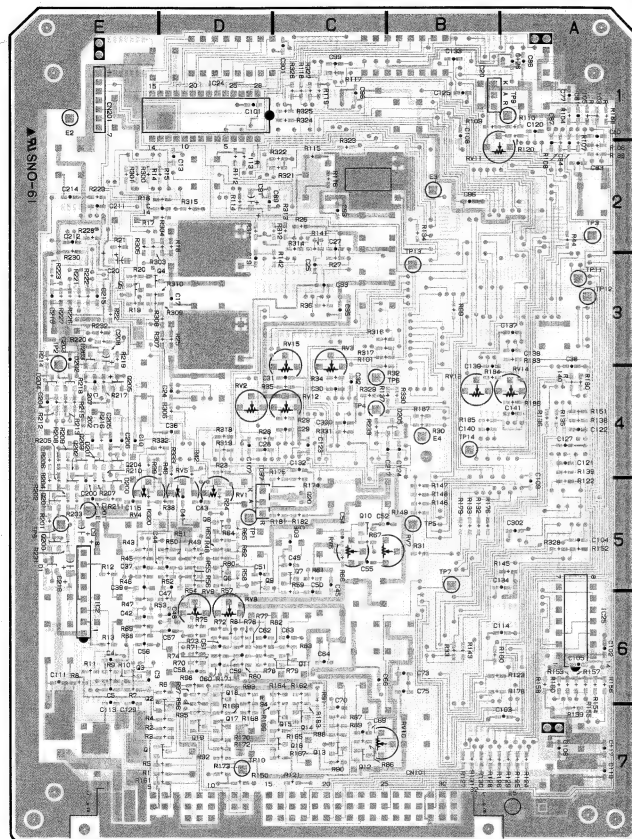
NR-25 (1-624-023-12)

IC701	B-3
IC702	C-2
IC703	C-3
IC704	C-2
IC705	A-2
IC706	B-1
IC707	C-1
IC708	C-2
IC709	C-3
IC710	B-2
IC711	A-1
IC712	A-2
IC713	A-2
IC714	A-2

TBC-9P (1-622-550-13)

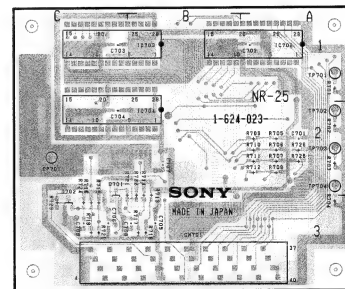
IC101	C-7
IC201	B-1
CP1	D-3
CP2	D-3
CP3	C-2
Q1	B-5
Q2	B-5
Q3	B-5
Q4	B-5
Q5	B-5
Q6	B-5
Q7	B-5
Q8	B-5
Q9	B-5
Q10	B-5
Q11	B-5
Q12	B-5
Q13	B-5
Q14	B-5
Q15	B-5
Q16	B-5
Q17	B-5
Q18	B-5
Q19	B-5
Q20	B-5
Q21	B-5
Q22	B-5
Q23	B-5
Q24	B-5
Q25	B-5
Q26	B-5
Q27	B-5
Q28	B-5
Q29	B-5
Q30	B-5
Q31	B-5
Q32	B-5
Q33	B-5
Q34	B-5
Q35	B-5
Q36	B-5
Q37	B-5
Q38	B-5
Q39	B-5
Q40	B-5
Q41	B-5
Q42	B-5
Q43	B-5
Q44	B-5
Q45	B-5
Q46	B-5
Q47	B-5
Q48	B-5
Q49	B-5
Q50	B-5
Q51	B-5
Q52	B-5
Q53	B-5
Q54	B-5
Q55	B-5
Q56	B-5
Q57	B-5
Q58	B-5
Q59	B-5
Q60	B-5
Q61	B-5
Q62	B-5
Q63	B-5
Q64	B-5
Q65	B-5
Q66	B-5
Q67	B-5
Q68	B-5
Q69	B-5
Q70	B-5
Q71	B-5
Q72	B-5
Q73	B-5
Q74	B-5
Q75	B-5
Q76	B-5
Q77	B-5
Q78	B-5
Q79	B-5
Q80	B-5
Q81	B-5
Q82	B-5
Q83	B-5
Q84	B-5
Q85	B-5
Q86	B-5
Q87	B-5
Q88	B-5
Q89	B-5
Q90	B-5
Q91	B-5
Q92	B-5
Q93	B-5
Q94	B-5
Q95	B-5
Q96	B-5
Q97	B-5
Q98	B-5
Q99	B-5
Q100	B-5

TP13 B-3
TP14 B-4TBC-9P — COMPONENT SIDE —
1-622-550-13
BVW-65P BVW-75P
BVW-65P BVW-65P
BVW-75P BVW-65P



NR-25 - COMPONENT SIDE -

1-624-003-12
BVW-60P BVW-75P
BVW-60P BVW-9P
BVW-70P BVW-9P



NR-25 - SOLDERING SIDE -

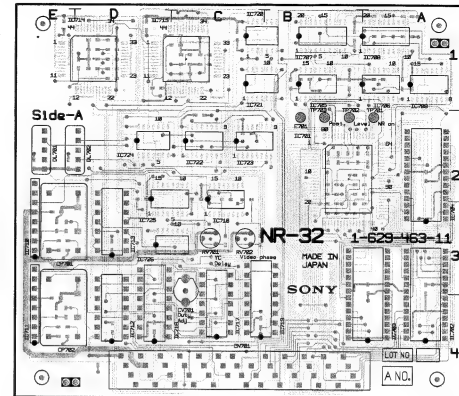
1-624-003-12
BVW-60P BVW-75P
BVW-60P BVW-9P
BVW-70P BVW-9P

NR-32 (1-629-463-11)

REF. NO.	TYPE	PIN NO.	
		+5V	GND
IC 701	C0013280	33, 73	12, 52
IC 702	C001202S	28	14
IC 703	C001202S	28	14
IC 704	C001202S	28	14
IC 705	SN74HC161NS	16	8
IC 706	SN74HC161NS	16	8
IC 707	SN74HC240NS	20	10
IC 708	SN74HC273NS	1, 20	10
IC 709	SN74HC161NS	16	8
IC 710	C02305S	5	8
IC 711	C02305S	5	8
IC 712	74F04PC	14	7
IC 713	74F04PC	14	7
IC 714	C00104540	17, 39	1, 6, 28
IC 715	C00104540	17, 39	1, 6, 28
IC 716	SN74LS221NS	16	9
IC 717	74F32PC	14	7
IC 718	74F175PC	16	8
IC 719	74F163APC	16	8
IC 720	SN74HC74NS	14	7
IC 721	SN74LS164NS	9, 14	7
IC 722	SN74HC161NS	16	8
IC 723	SN74HC161NS	16	8
IC 724	SN74HC161NS	14	7
IC 725	SN74LS138NS	16	8
IC 726	SN74LS164NS	9, 14	7

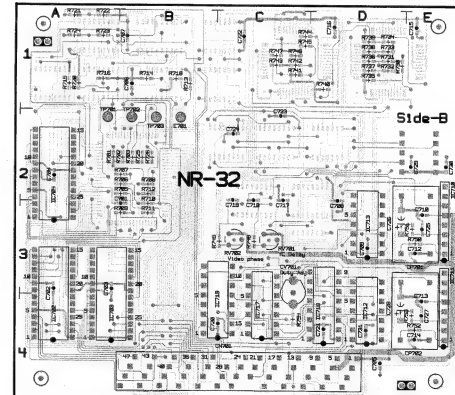
NR-32 (1-629-463-11)

CR701	C-4
CP701	E-3
CP702	E-4
CY701	C-3
DL701	E-2
DL702	E-2
ET01	B-2
IC701	B-2
IC702	A-3
IC703	A-3
IC704	A-2
IC705	B-1
IC706	A-1
IC707	B-1
IC708	A-1
IC709	A-1
IC710	E-3
IC711	E-4
IC712	D-4
IC713	D-3
IC714	D-1
IC715	C-1
IC716	C-2
IC717	C-4
IC718	D-4
IC719	C-4
IC720	C-1
IC721	C-1
IC722	C-2
IC723	C-2
IC724	C-2
IC725	B-2
IC726	C-3
RV701	C-3
RV702	C-3
TP701	A-2
TP702	B-2
TP703	B-2



NR-32—COMPONENT SIDE—

1-629-463-11
 BVW-62P BVW-TOP
 BVW-62P BVW-TSP
 BVW-95P BVW-95P



NR-32—SOLDERING SIDE—

1-629-463-11
 BVW-62P BVW-TOP
 BVW-62P BVW-TSP
 BVW-95P BVW-95P

EN-48P (1-622-546-14)

REF. NO.	TYPE	PIN NO.						
		+12V	+9V	+8V	+5V	GND	-5V	-9V -12V
IC 1	PC34184M							11
IC 2	VA UNIT				6			
IC 3	PC16508BF				8		1	
IC 4	CD201T	16			8	2,10	7	
IC 5	CD201S				12	5,7,10		
IC 6	TU82C3PS		8		9			
IC 10	PC101131M						16	4
IC 11	PC101131M						16	8
IC 12	SN74ALS00NS				14	7	1,16	
IC 13	PC101131M						1,16	
IC 14	PC740304P				14	7		
IC 15	PC740311P				14	7		
IC 16	SN74ALS1ANS				14	7		
IC 17	TU82C3PS	8			16	8		4
IC 18	PC740312BP				16	8		
IC 19	SN74ALS22NS				16	8		
IC 20	CD2005A				5	8		
IC 21	SN74ALS0ANS				14	7		
IC 22	SN74ALS16ANS				16	8		
IC 24	PC4022P	8					4	
IC 25	SN74ALS1ANS				14	7		
IC 26	SN74ALS00NS				16	8		
IC 27	SN74ALS22NS				16	8		
IC 31	SN74ALS1ANS				14	7		
IC 32	SN74ALS22NS				16	8		
IC 33	SN74ALS16				16	8		
IC 34	PC740312BP				16	8		
IC 35	TU82C3PS		8		14	7	4	
IC 36	SN74ALS22NS				16	8		
IC 37	SN74ALS00NS				14	7		
IC 38	TU4030P				16	8	7	
IC 39	PC4022BP				16	8		
IC 50	PC34184M				4		11	1
IC 51	CD201S				12	5,7,10		
IC 52	VA UNIT				6		1	
IC 53	CD201S				12	5,7,10		
IC 54	PC16508BF				16	8		
IC 55	VA UNIT				6		1	
IC 60	VA UNIT				6		1	
IC 70	TU82C3PS				12	8	4	
IC 71	CD201S				12	5,7,10		
IC 72	CD201S				14	5,7,10	1	
IC 101	NJ7805BA	*	*	*	*	*	*	*
IC 102	NJ7805BA	*	*	*	*	*	*	*
IC 103	S-81230AG	*	*	*	*	*	*	*
IC 104	S-81230AG	*	*	*	*	*	*	*
IC 105	TL431C1P	*	*	*	*	*	*	*
IC 106	NJ7805BA	*	*	*	*	*	*	*
IC 107	NJ7805BA	*	*	*	*	*	*	*
IC 108	NJ7805BA	*	*	*	*	*	*	*
IC 109	NJ7805BA	*	*	*	*	*	*	*
IC 110	NJ7805BA	*	*	*	*	*	*	*
IC 111	NJ7805BA	*	*	*	*	*	*	*
IC 112	NJ7805BA	*	*	*	*	*	*	*
IC 113	NJ7805BA	*	*	*	*	*	*	*
IC 114	TL431C1P	*	*	*	*	*	*	*
IC 115	NJ7805BA	*	*	*	*	*	*	*
IC 116	NJ7805BA	*	*	*	*	*	*	*
IC 117	NJ7805BA	*	*	*	*	*	*	*
IC 121	NJ7805BA	*	*	*	*	*	*	*
IC 201	PC101124M			9	16	8		
IC 202	PC101131M					1,16	8	
IC 203	PC101131M					1,16	8	
IC 204	CD2005A				5	16	8	
IC 205	SN74ALS16ANS				16	8		
IC 501	NJ1459N							14
IC 601	NJ1459N							14
IC 701	TU4030P		*	*				
IC 702	SN74LS123NS		*	*				
IC 703	TU82C3PS	8	*	*				4
IC 704	SN74ALS1ANS		*	*	7			
IC 705	TU82C3PS							4

* REFER TO SCHEMATIC

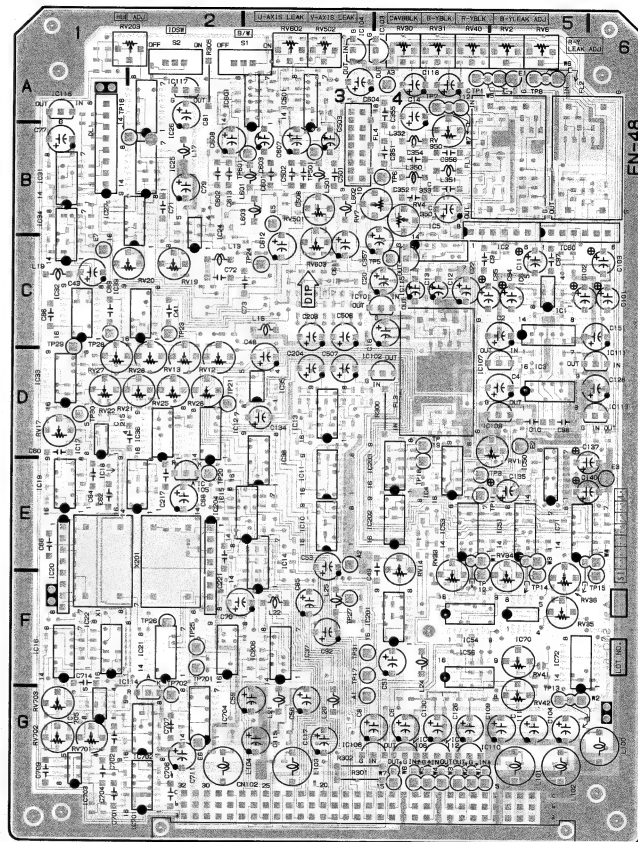
EN-48P (1-622-546-14)

Q102	G-3	IC115	G-4	RV602	A-3
Q1	B-1	IC116	C-1	RV603	C-3
Q1	B-1	IC117	A-2	RV701	G-1
Q1	B-1	IC120	F-2	RV702	G-1
Q1	B-1	IC201	F-4	RV703	G-1
E1	A-5	IC202	E-4		
E2	D-5	IC203	A-2	SI	A-2
E3	E-6	IC206	F-2	SI	A-2
E5	B-3	IC501	A-3	SL1	F-5
E6	B-3	IC501	A-3	SL2	E-6
E7	B-1	IC701	G-2	SL50	C-4
FL1	G-5	IC702	G-2	SL60	C-4
FL2	B-6	IC703	G-2	SL61	C-3
FL3	D-4	IC704	G-2		
FL4	A-4	IC705	G-1	TP1	A-5
IC1	C-5	Q1	A-5	TP3	D-5
IC2	B-5	Q2	B-5	TP5	B-5
IC3	D-5	Q3	D-4	TP6	B-4
IC4	D-4	Q4	B-6	TP7	A-4
IC5	B-4	Q7	B-5	TP8	A-5
IC6	B-5	Q8	B-4	TP11	E-5
IC10	E-3	Q9	B-4	TP12	F-5
IC11	D-3	Q10	A-4	TP13	F-5
IC12	D-2	Q11	A-5	TP15	E-6
IC13	D-3	Q13	E-4	TP16	A-2
IC14	E-3	Q14	E-5	TP17	F-4
IC15	E-3	Q15	B-4	TP18	D-4
IC16	E-1	Q17	B-5	TP19	D-4
IC17	D-1	Q18	A-5	TP20	D-2
IC18	E-2	Q25	B-1	TP21	C-2
IC19	B-1	Q501	B-3	TP22	C-2
IC20	B-1	Q502	A-4	TP23	C-2
IC21	F-2	Q503	C-3	TP24	F-2
IC22	F-1	Q504	C-4	TP27	F-4
IC23	B-2	Q505	C-3	TP28	C-1
IC24	B-2	Q602	A-3	TP29	C-1
IC25	A-2	Q603	A-4	TP30	D-3
IC26	A-2	Q607	C-3	TP31	F-4
IC31	B-1	Q605	C-3	TP50	B-1
IC32	C-1			TP60	B-3
IC33	B-1	RV1	C-5	TP71	F-2
IC34	B-1	RV2	A-5	TP82	F-2
IC35	D-3	RV4	A-4		
IC36	D-2	RV6	A-5	X1	E-1
IC37	F-3	RV7	B-3	X201	E-2
IC38	D-3	RV12	C-2		
IC39	C-2	RV13	C-2		
IC50	D-5	RV14	E-4		
IC51	E-5	RV17	D-1		
IC53	E-5	RV19	C-2		
IC54	E-5	RV20	D-2		
IC56	E-5	RV21	D-2		
IC60	B-6	RV22	D-1		
IC70	E-5	RV25	D-2		
IC71	E-5	RV26	D-2		
IC72	F-6	RV27	C-2		
IC101	C-4	RV28	C-2		
IC102	D-4	RV31	A-4		
IC103	A-4	RV31	A-4		
IC104	A-4	RV33	F-5		
IC105	D-2	RV34	F-5		
IC106	E-4	RV35	F-5		
IC107	C-5	RV36	F-5		
IC108	A-4	RV40	A-4		
IC109	E-5	RV41	F-6		
IC110	E-5	RV42	F-5		
IC111	C-6	RV43	A-2		
IC112	C-4	RV50	B-2		
IC113	D-5	RV501	D-3		
IC114	F-2	RV502	A-3		

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC20 CX23065 → CX23065A 1000 01000000 01000000	S/N 12548 ~

EN-48P; C ENCODER



EN-48P — COMPONENT SIDE —

1-822-546-14
BVW-50P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P

EN-48P; C ENCODER

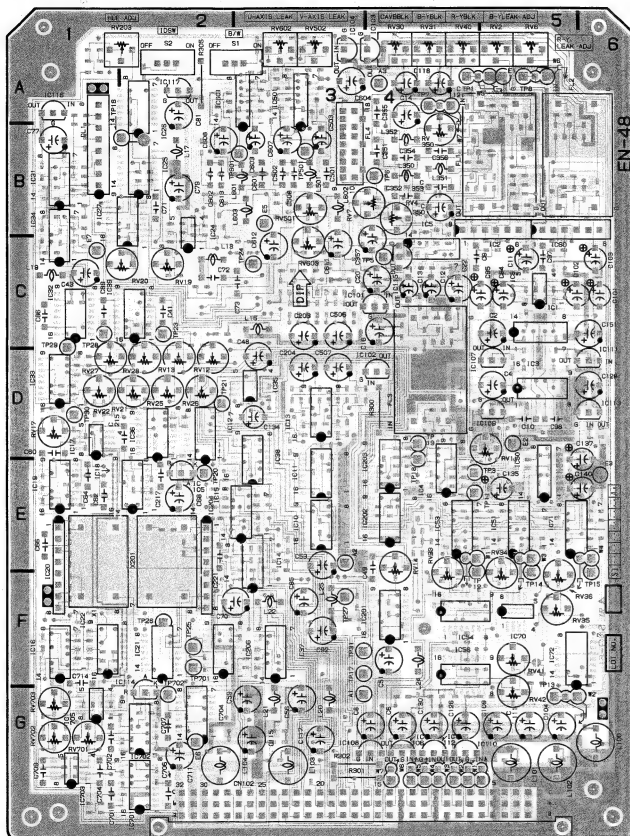
RV002 A-3
RV003 C-3
RV701 C-1
RV702 C-1
RV703 C-1

S1 A-3
S2 A-2

SL1 F-5
SL2 E-6
SL300 C-4
SL351 C-4
SL601 C-3

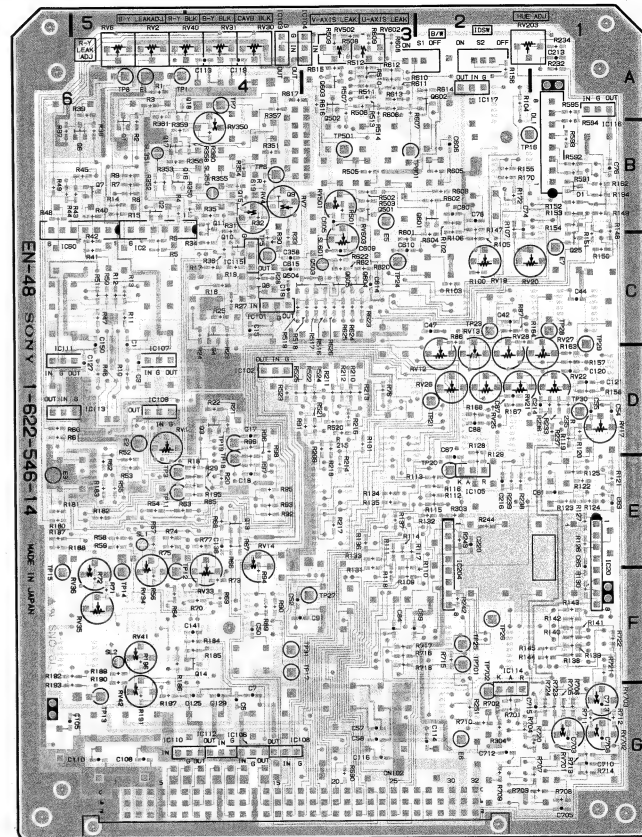
TP1 A-5
TP3 D-5
TP5 B-4
TP6 A-4
TP8 A-5
TP11 E-5
TP13 F-5
TP14 F-6
TP15 E-6
TP16 A-2
TP17 F-4
TP18 D-4
TP19 D-4
TP20 D-2
TP21 D-2
TP23 C-3
TP24 C-3
TP25 F-2
TP26 F-2
TP27 F-4
TP28 C-1
TP29 F-2
TP30 D-1
TP31 F-4
TP32 B-3
TP501 B-3
TP701 F-2
TP702 F-2

X1 E-1
X201 E-2



EN-48P — COMPONENT SIDE —

1-622-546-14
BVW-GSP BVW-7SP
BVW-GSP BVW-9SP
BVW-7SP BVW-9SP



EN-48P — SOLDERING SIDE —

1-622-546-14
BVW-GSP BVW-7SP
BVW-GSP BVW-9SP
BVW-7SP BVW-9SP

VO-18P; VIDEO OUTPUT
DUS-270; SQUELCH BUFFER

VO-18P (1-622-547-15, 16)

REF. NO.	TYPE	PIN NO.							
		+12V	+5V	+8V	+5V	GND	-5V	-8V	-12V
IC 1	MC34184M	8	4			1		11	5
IC 3	TL0610P5			12, 14		5, 7, 10	1		
IC 4	OC10158			12, 14		5, 7, 10	1		
IC 5	OC10158			14		5, 7, 10, 12	1		
IC 6	OC10158			14		7			
IC 7	TC148000P			14		7			
IC 8	SN74LS00NS			14		7			
IC 9	TC148000P			14		7			
IC 10	TC148004P			14		7			
IC 12	OC10158			12, 14		5, 7, 10	1		
IC 13	TL0620P5			14		5, 7, 10, 12	1		
IC 16	MC140308P		8		16	8	7		4
IC 17	MC34182M						4		
IC 100	NJM79L05A	*	*	*	*	*	*	*	*
IC 101	NJM79L05A	*	*	*	*	*	*	*	*
IC 102	NJM79L05A	*	*	*	*	*	*	*	*
IC 103	NJM79L05A	*	*	*	*	*	*	*	*
IC 104	NJM79L05A	*	*	*	*	*	*	*	*
IC 105	NJM79L05A	*	*	*	*	*	*	*	*
IC 106	NJM79L05A	*	*	*	*	*	*	*	*
IC 107	NJM79L05A	*	*	*	*	*	*	*	*
IC 108	S-80230AC	*	*	*	*	*	*	*	*
IC 109	NJM79L05A	*	*	*	*	*	*	*	*
IC 110	NJM79L05A	*	*	*	*	*	*	*	*
IC 111	S-81230AC	*	*	*	*	*	*	*	*
IC 112	NJM79L05A	*	*	*	*	*	*	*	*
IC 113	NJM79L05A	*	*	*	*	*	*	*	*
IC 601	OC10111					1, 11, 13, 17			
IC 602	OC10111					1, 11, 13, 17			
IC 603	TC40308P			14		8			
IC 604	NM4558P			14		7	4		
IC 605	TC504308P			14		8			
IC 606	TC43388P			16		1			
IC 700	MB4002P			14		7	4		
IC 701	SN74LS00NS			14		7			
IC 702	80381	2	8			6			9
IC 703	MC34182M								
IC 704	MC35362					8	4		4
IC 705	TC148C120P					16	8		
IC 706	TL6100P5					12, 14	5, 7, 10	1	5
IC 707	OC10138								
IC 708	SN74LS04NS								

* REFER TO SCHEMATIC

VO-18P (1-622-547-15, 16)

CH103	J-3	IC106	H-5	436	E-6	SL700	C-2
CH107	J-3	IC107	H-5	437	E-6	SL701	C-2
CH1	D-5	IC108	A-4	438	F-6		
		IC109	F-7	439	E-7		
		IC110	F-7	440	C-3		
0601	H-2	IC111	A-4	4501	C-5	T74	E-5
0602	H-3	IC112	C-4	4502	C-5	T75	F-6
0603	H-3	IC113	A-4	4513	C-4	T76	G-6
0604	G-3	IC601	G-1	4504	C-5	T77	G-7
0605	F-3	IC602	G-2	4501	H-2	T78	C-4
0606	F-3	IC603	G-1	4503	H-3	T79	C-5
		IC604	F-3	4504	H-1	T710	F-6
061	B-5	IC605	F-3	4505	J-2	T711	F-5
062	D-4	IC606	F-2	4506	F-2	T713	B-4
063	D-2	IC701	C-1	4701	F-1	T714	F-6
		IC710	C-2	4701	A-1	T715	C-6
E1	A-5	IC702	C-1	4702	E-2	T716	G-5
E2	B-5	IC703	C-2	4703	E-3	T717	B-3
E3	E-1	IC704	D-1	4704	C-3	T719	E-7
E4	H-4	IC705	B-1			T720	J-3
E5	A-3	IC706	B-2	RV1	B-7	T7601	J-2
0601	F-3	IC707	B-3	RV2	A-5	T7603	J-2
0602	H-3	IC708	C-2	RV4	B-6	T7604	J-2
				RV5	F-6	T7605	F-3
				RV6	B-6		
				RV7	F-6		
				RV8	A-4		
				RV10	E-5		
				RV11	E-4		
				RV12	C-5		
				RV13	C-5		
				RV14	A-6		
				RV15	C-4		
				RV16	F-5		
				RV17	F-5		
				RV19	A-3		
				RV20	B-4		
				RV21	B-4		
				RV22	E-7		
				RV23	B-6		
				RV2501	C-5		
				RV2601	F-3		
				RV2701	B-3		
				RV2801	B-3		
				RV2901	B-3		

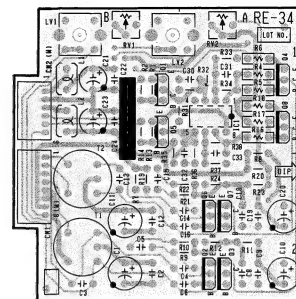
VO-18P; VIDEO OUTPUT
DUS-270; SQUELCH BUFFER

Q36	E-6	SL700	C-2
Q37	E-6	SL701	C-2
Q38	F-6		
Q39	E-7	TP1	A-5
Q40	C-3	TP2	C-6
Q501	C-5	TP4	E-5
Q502	C-5	TP5	F-6
Q503	C-5	TP6	F-6
Q504	C-5	TP7	C-7
Q505	H-2	TP8	C-4
Q506	H-2	TP9	C-3
Q700	J-2	TP10	E-6
Q701	F-2	TP11	F-5
Q702	A-1	TP12	B-4
Q703	A-2	TP13	C-5
Q704	C-3	TP14	C-6
		TP15	E-5
		TP16	E-7
		TP17	J-3
		TP18	J-1
		TP19	J-2
		TP20	F-1
		TP21	F-2
		TP22	F-3
		TP23	F-4
		TP24	F-5
		TP25	F-6
		TP26	F-7
		TP27	F-8
		TP28	F-9
		TP29	F-10
		TP30	F-11
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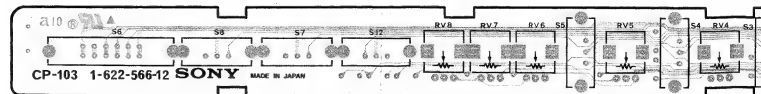
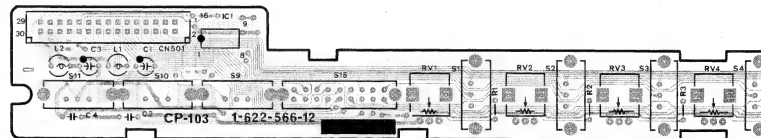
RE-34; ROTARY ERASE
CP-103P; SUB CONTROL PANEL

RE-34 (1-622-552-12)

CN1	B-2
CN2	B-1
IC1	A-1
LV2	B-1
Q1	B-1
Q2	A-2
Q3	A-2
Q4	A-1
Q5	B-1
Q6	A-2
Q7	A-2
Q8	A-1
RV1	B-1
RV2	A-1
T1	B-2
T2	B-2



RE-34 — COMPONENT SIDE —
1-622-552-12
BVW-70P
BVW-75P
BVW-96P



RE-34: ROTARY ERASE
CP-103P: SUB CONTROL PANEL

322-552-120

3-2

3-1

1-1

3-1

3-1

1-2

1-1

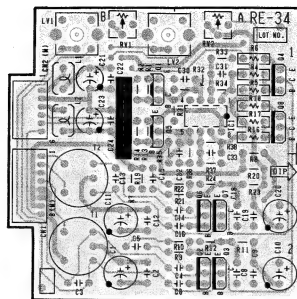
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1-2

1-1

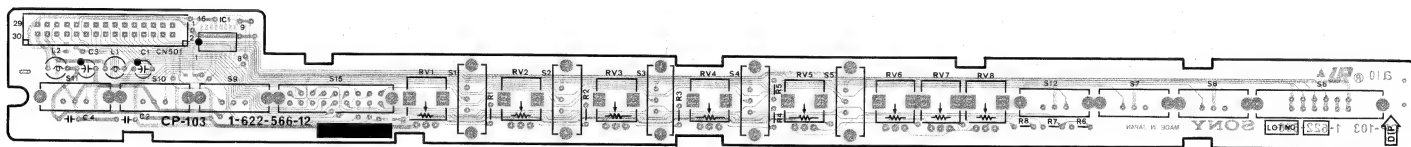
3-2

3-2



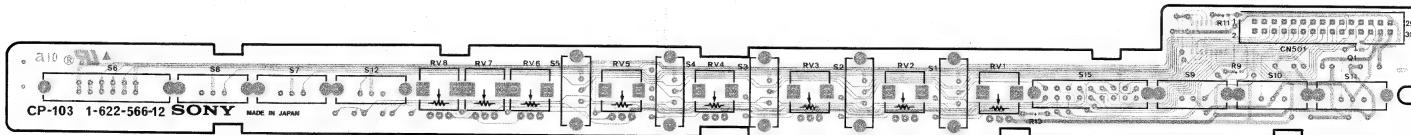
RE-34 — COMPONENT SIDE —

1-622-552-12
BVW-70P
BVW-75P
BVW-96P



CP-103P — COMPONENT SIDE —

1-622-566-12
BVW-70P
BVW-75P
BVW-96P



CP-103P — SOLDERING SIDE —

1-622-566-12
BVW-70P
BVW-75P
BVW-96P

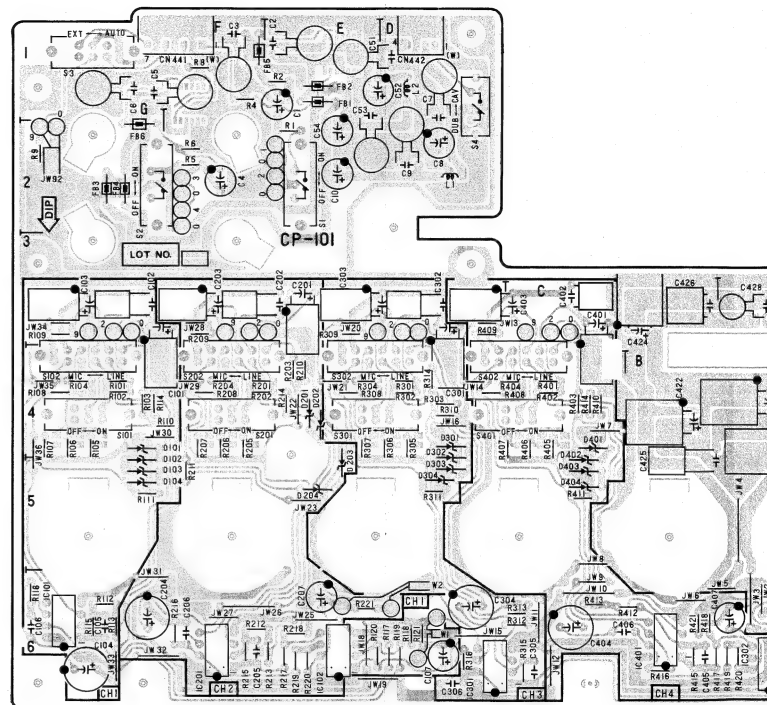
CP-101P; VIDEO/AUDIO INPUT

CP-101P (1-622-570-11)

REF. NO.	TYPE	PIN NO.				
		+12V	+5V	GND	-5V	-12V
IC 1	CX20158		11,14	5,7,9,10	1	
IC 2	CX20158		11,14	5,7,9,10	1	
IC 101	NE5532P	8				4
IC 102	NE5532P	8				4
IC 201	NE5532P	8				4
IC 301	NE5532P	8				4
IC 302	NE5532P	8				4
IC 401	NE5532P	8				4

CP-101P (1-622-570-11)

CN441 F-1
 CN442 D-1
 CN443 A-6
 CN444 A-4
 D101 G-4
 D102 G-5
 D103 G-5
 D104 G-5
 D201 E-4
 D202 E-4
 D203 E-5
 D204 E-5
 D301 D-4
 D302 D-4
 D303 D-3
 D304 D-3
 D401 C-4
 D402 C-4
 D403 C-5
 D404 C-5
 IC1 E-6
 IC2 F-1
 IC101 G-6
 IC102 E-6
 IC201 F-6
 IC301 D-6
 IC302 A-6
 IC401 B-6
 Q401 A-4
 Q402 A-3
 S1 B-2
 S2 G-2
 S3 G-1
 S4 D-1
 S101 G-4
 S102 G-4
 S201 F-4
 S202 F-4
 S301 F-4
 S302 F-4
 S401 C-4
 S402 C-4

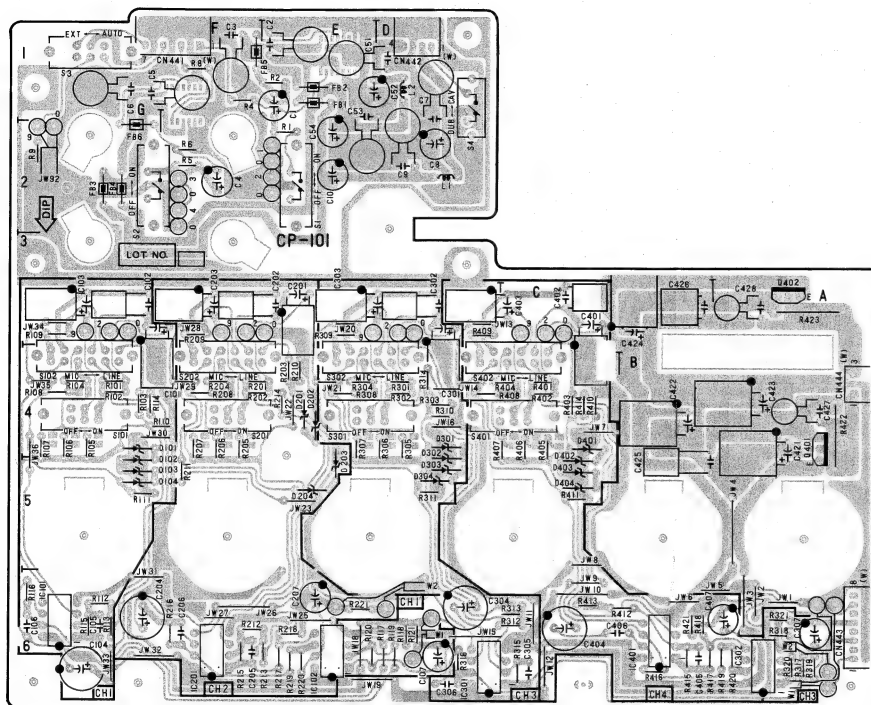


CP-101P

1-622-570-11
 BYW-70P
 BYW-75P
 BYW-56P

CP-101P; VIDEO/AUDIO INPUT

1-570-111



CP-101P — COMPONENT SIDE —

1-622-570-11
BVW-70P
BVW-75P
BVW-96P

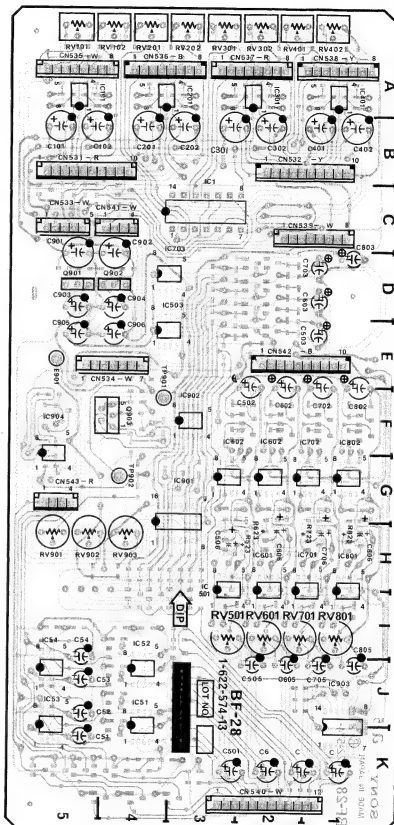
BF-28 (1-622-574-13)

REF. NO	TYPE	PIN NO.			
		+12V	+8V	-8V	-12V
IC 1	CK770	*			*
IC 51	NJM2903M	8			4
IC 52	NJM2903M	8			4
IC 53	NJM2903M	8			4
IC 54	NJM2903M	8			4
IC 101	NJM2041M-D	8			4
IC 201	NJM2041M-D	8			4
IC 301	NJM2041M-D	8			4
IC 401	NJM2041M-D	8			4
IC 501	NJM4560M		8	4	4
IC 502	NJM4560M	8	8	4	4
IC 503	NJM4560M	8	8	4	4
IC 601	NJM4560M	8	8	4	4
IC 602	NJM4560M	8	8	4	4
IC 701	NJM4560M	8	8	4	4
IC 702	NJM4560M	8	8	4	4
IC 703	NJM4560M	8	8	4	4
IC 801	NJM4560M	8	8	4	4
IC 802	NJM4560M	8	8	4	4
IC 901	BU4052BF	16	8		
IC 902	NJM2041M-D	8	8	4	4
IC 903	TC4038BF	14	7		
IC 904	NJM4560M	8	8	4	4

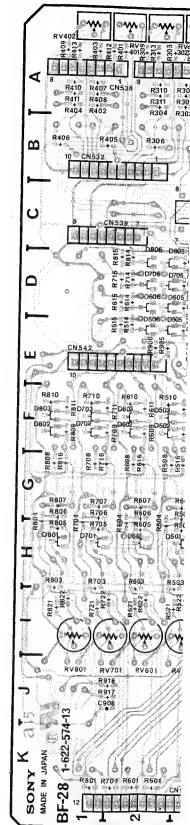
* REFER TO SCHEMATIC

BF-28 (1-622-574-13)

CK531	B-5	Q1	C-5
CK532	B-2	Q2	C-4
CK533	C-5	Q51	K-4
CK534	E-4	Q52	K-5
CK535	A-5	Q53	K-4
CK536	A-4	Q54	K-5
CK537	A-2	Q55	K-3
CK538	A-1	Q56	K-5
CK539	C-1	Q57	K-4
CK540	K-2	Q58	K-4
CK541	C-4	Q501	I-3
CK542	E-2	Q501	I-3
CK543	G-5	Q701	I-4
		Q801	I-4
		Q901	D-5
		Q902	D-4
		Q903	F-4
Q51	J-3	RV101	A-5
Q52	I-3	RV102	A-4
Q53	K-4	RV201	A-4
Q54	J-4	RV202	A-3
Q55	J-4	RV301	A-3
Q56	I-4	RV302	A-2
Q501	H-3	RV401	A-2
Q502	F-2	RV402	A-1
Q503	F-2	RV501	I-3
Q505	E-2	RV501	I-2
Q506	E-2	RV701	I-2
Q601	H-2	RV801	I-1
Q602	F-2	RV801	I-1
Q603	F-2	RV901	H-5
Q605	D-2	RV902	H-5
Q606	D-2	RV903	H-4
Q701	H-1	TP901	F-4
Q702	F-1	TP902	G-4
Q703	F-1		
Q705	D-2		
Q706	D-2		
Q801	H-1		
Q802	F-1		
Q803	F-1		
Q805	D-2		
Q806	D-2		
Q901	F-4		
Q902	F-5		
Q901	E-5		
IC1	C-3		
IC51	J-4		
IC52	J-4		
IC53	J-5		
IC54	J-5		
IC101	A-5		
IC201	A-4		
IC301	A-2		
IC401	A-1		
IC501	H-3		
IC502	G-3		
IC503	E-4		
IC601	H-2		
IC602	G-2		
IC701	H-1		
IC702	G-1		
IC703	D-4		
IC801	H-1		
IC802	G-1		
IC901	G-3		
IC902	F-3		
IC903	J-1		
IC904	F-5		

BF-28: AUDIO BUFFER/LEVEL METER DRIVER
VR-42: AUDIO REC/PB VOLUME

BF-28 — COMPONENT SIDE —

1-622-574-13
BWV-70V
BWV-75P
DVW-90P

BF-28

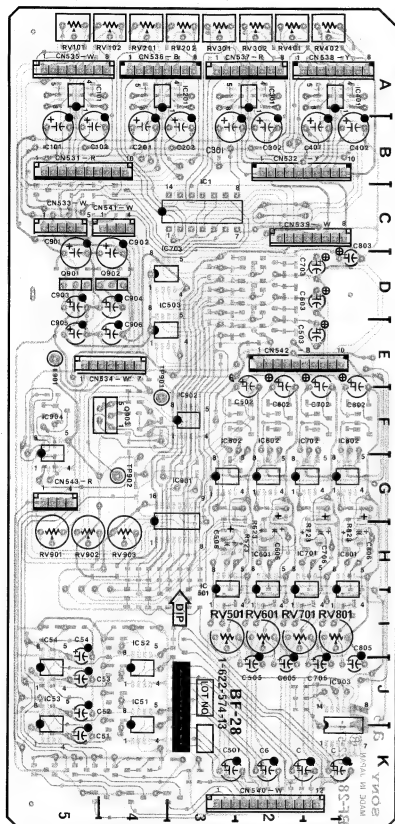
1-622-574-13

BWV-70V

BWV-75P

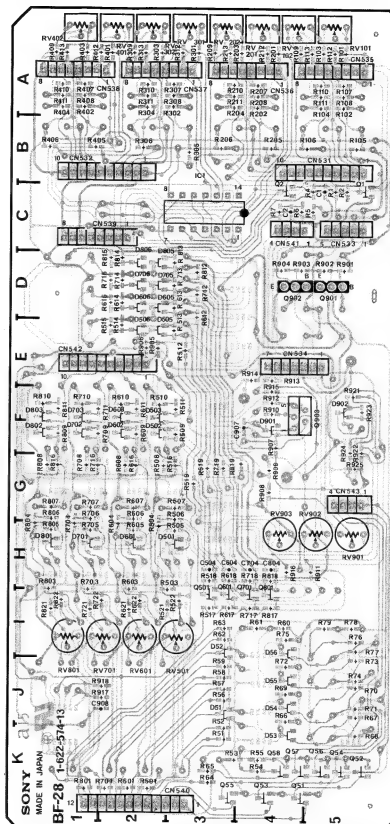
DVW-90P

BF-28: AUDIO BUFFER/LEVEL METER DRIVER
VR-42: AUDIO REC/PB VOLUME

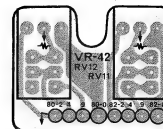


BF-28 — COMPONENT SIDE —
1-622-574-13
BVW-75P
BVW-96P

17-92



BF-28 — SOLDERING SIDE —
1-622-574-13
BVW-75P
BVW-96P



VR-42 — COMPONENT SIDE —
1-622-582-12
BVW-75P
BVW-96P

17-93

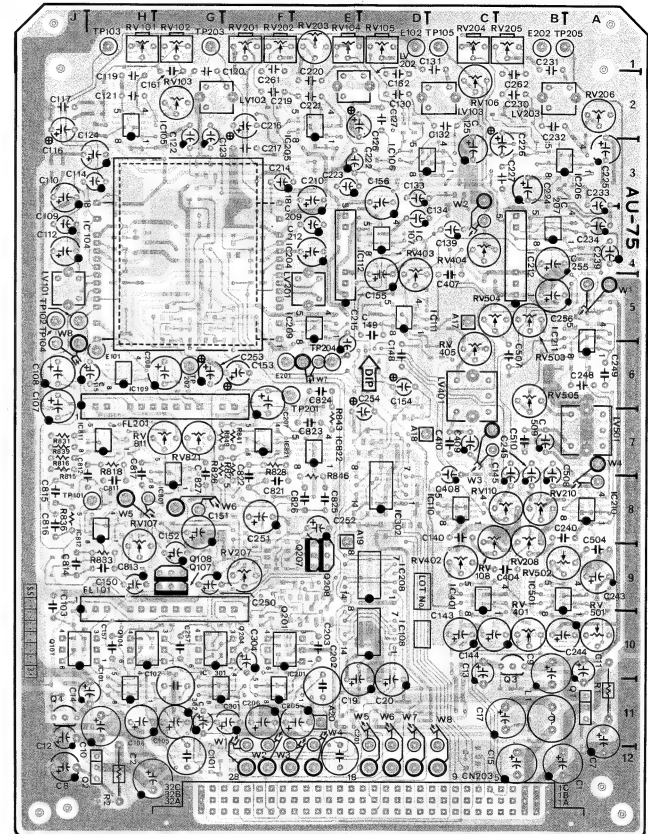
AU-75P: AUDIO REC/PB AMPLIFIER

AU-75P (1-622-567-13)

REF. NO	TYPE	PIN NO.			
		+11V	+7V	GND	-7V -11V
IC 301	NJM2041H-D	8		1.6.18	14
IC 104	BK-1152	8	12		4
IC 105	NJM4560M	8			4
IC 106	NJM4560M	8			4
IC 107	NJM4560M	8			4
IC 108	TC4011BF	8	14		7
IC 109	NJM5532P	8			4
IC 110	NJM2041H-D	8			4
IC 111	NJM2041H-D	8			4
IC 112	BK1343A	3		5	1
IC 301	NJM2041H-D	8		1.6.18	14
IC 204	BK-1152	8	12		4
IC 205	NJM4560M	8			4
IC 206	NJM4560M	8			4
IC 207	NJM4560M	8			4
IC 208	TC4011BF	8	14		7
IC 209	NJM5532P	8			4
IC 210	NJM2041H-D	8			4
IC 211	NJM2041H-D	8			4
IC 212	BK-1343A	3		5	1
IC 301	NJM2041H-D	8		1.6.18	14
IC 302	TC4081BF	8	14		7
IC 401	NJM4560M	8			4
IC 501	NJM4560M	8			4
IC 801	NJM2041H-D	8			4
IC 811	NJM2041H-D	8			4
IC 812	NJM2041H-D	8			4
IC 821	NJM2041H-D	8			4
IC 822	NJM2041H-D	8			4

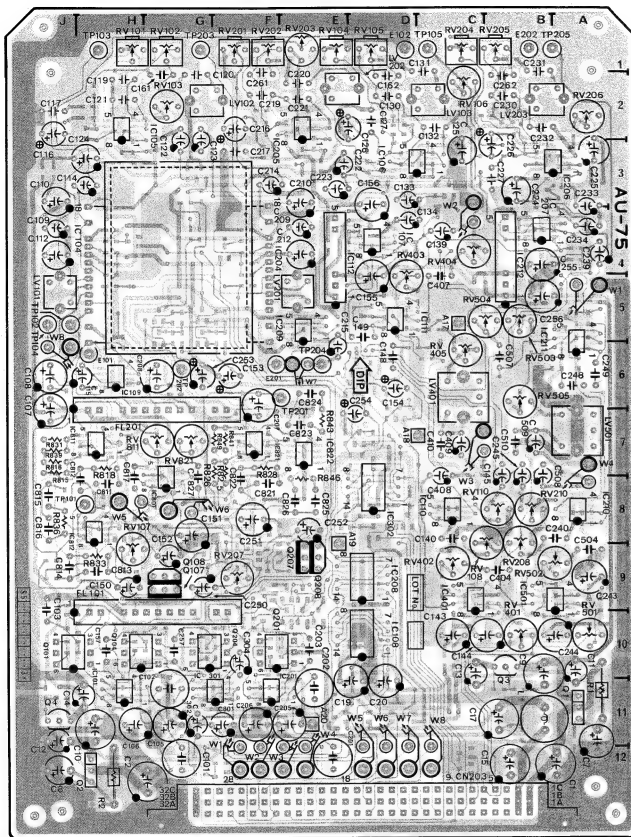
AU-75P (1-622-567-13)

CK203	D-12	Q109	D-11
D101	J-10	Q110	D-11
D102	H-4	Q111	C-5
D103	H-8	Q112	D-6
D104	C-12	Q113	E-10
D105	C-5	Q115	E-10
D106	D-7	Q116	E-9
D201	F-10	Q201	F-10
D202	F-4	Q202	D-3
D203	F-9	Q203	B-3
D204	C-12	Q204	C-10
D205	C-5	Q205	C-9
D206	D-7	Q206	F-9
D301	G-12	Q207	E-9
E101	H-6	Q209	E-11
E102	D-1	Q210	D-11
E201	F-6	Q211	C-5
E202	H-1	Q212	E-6
		Q213	E-10
FL101	G-9	Q214	F-9
FL201	H-7	Q215	E-9
		Q216	F-9
IC101	G-9	Q301	C-11
IC104	H-4	Q302	D-8
IC105	H-2	Q303	B-8
IC106	D-3	Q304	D-8
IC107	D-4	Q305	D-8
IC108	D-10		
IC109	H-6	RV101	H-1
IC110	C-8	RV102	G-1
IC111	D-5	RV103	C-9
IC112	E-4	RV104	E-1
IC201	F-11	RV105	D-1
IC204	F-4	RV106	C-2
IC205	F-2	RV107	H-9
IC206	B-3	RV108	C-8
IC207	B-4	RV110	B-8
IC208	D-9	RV201	F-1
IC209	E-5	RV202	F-1
IC210	A-8	RV203	E-1
IC211	A-5	RV204	C-1
IC212	B-4	RV205	B-1
IC301	F-10	RV206	A-2
IC302	D-8	RV207	F-9
IC401	C-9	RV208	B-8
IC501	B-9	RV210	B-8
IC801	C-8	RV401	B-10
IC811	H-7	RV402	C-9
IC812	H-8	RV403	D-4
IC821	F-7	RV404	C-4
IC822	F-7	RV405	C-6
		RV501	A-10
LV101	J-5	RV502	B-9
LV102	C-2	RV503	B-5
LV103	C-2	RV504	C-5
LV201	E-5	RV505	B-6
LV202	F-2	RV511	G-7
LV203	B-2	RV512	G-7
LV401	C-6		
LV501	A-7	TP101	B-8
		TP102	J-5
Q1	A-11	TP103	H-1
Q2	H-12	TP104	J-5
Q3	B-10	TP105	C-1
Q4	J-11	TP201	F-6
Q101	J-10	TP202	G-6
Q102	C-3	TP203	C-1
Q103	C-3	TP204	F-6
Q104	H-10	TP205	B-1
Q105	H-8		
Q106	G-9		
Q107	G-9		
Q108	G-9		



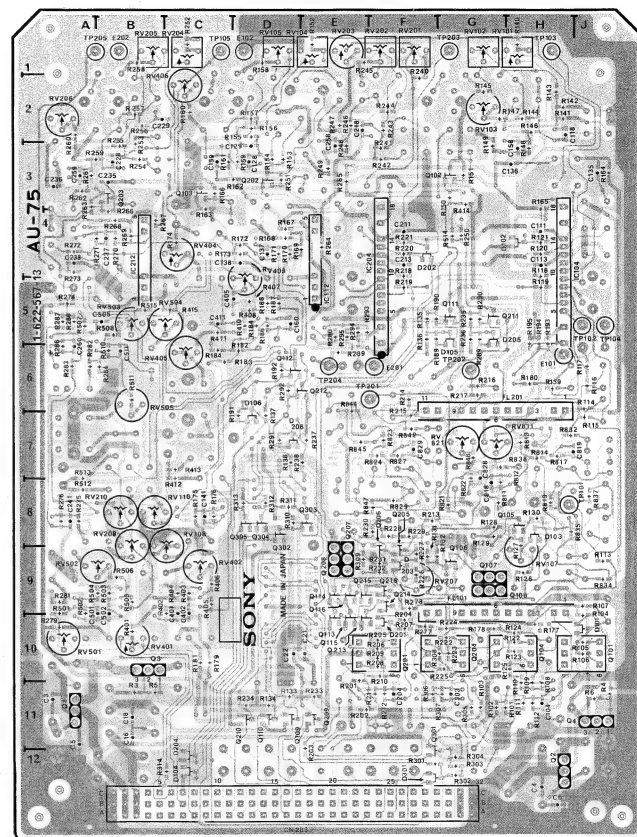
AU-75P — COMPONENT SIDE —
 1-622-567-13
 BVW-75P
 BVW-56P

AU-75P; AUDIO REC/PB AMPLIFIER



AU-75P — COMPONENT SIDE —

1-622-567-13
BVW-70P
BVW-75P
BVW-96P



AU-75P — SOLDERING SIDE —

1-622-567-13
BVW-70P
BVW-75P
BVW-96P

AU-76P (1-622-568-14,15)

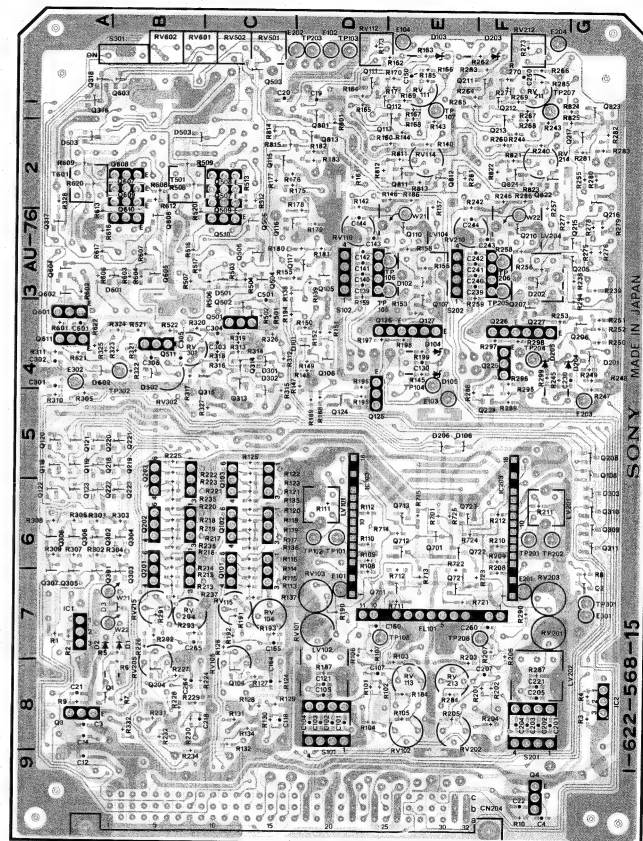
REF. NO.	TYPE	PIN NO.					
		+12V	+11V	+7V	GND	-7V	-11V -12V
IC 1	NJM78L05A	*	*	*	2	*	*
IC 2	NJM78L05A	*	*	*	3	*	*
IC 101	NJM5532M	*	*	*	12	1.6, 18	14
IC 103	8X1152	*	*	*	8	4	*
IC 104	NJM5532M	*	*	*	12	1.6, 18	14
IC 106	NJM5532M	*	*	*	8	4	*
IC 107	NJM5532M	*	*	*	12	1.6, 18	14
IC 201	NJM5532M	*	*	*	8	4	*
IC 203	NJM5532M	*	*	*	12	1.6, 18	14
IC 204	NJM5532M	*	*	*	8	4	*
IC 206	NJM5532M	*	*	*	12	1.6, 18	14
IC 207	NJM5532M	*	*	*	8	4	*
IC 301	TG60118F	*	*	*	14	7	*
IC 302	TG60118F	*	*	*	14	7	*
IC 303	NJM5532M	*	*	*	8	4	*
IC 304	NJM5532M	*	*	*	12	1.6, 18	14

* REFER TO SCHEMATIC

AU-76P (1-622-568-14,15)

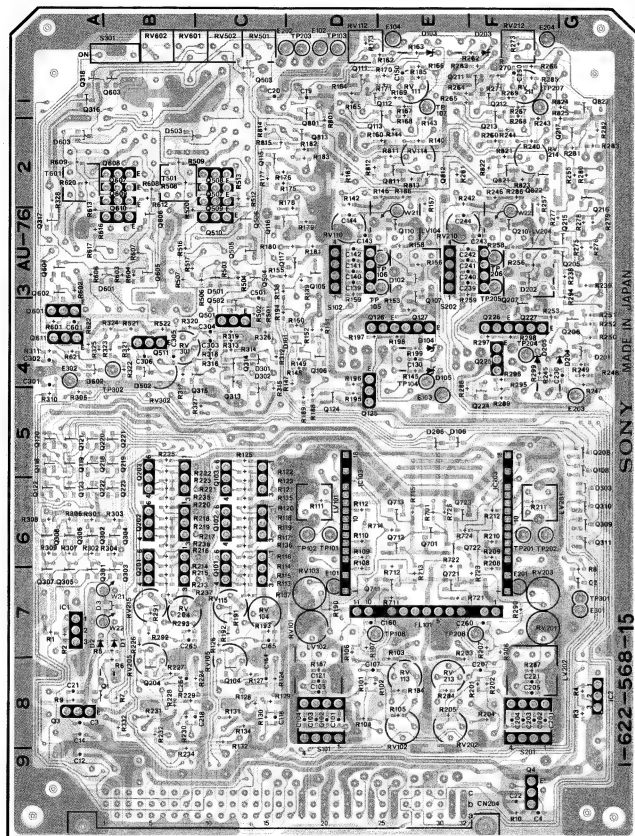
CX204	C-9	IC302	A-6	0215	F-3	0711	D-7	TP102	E-8
D1	B-5	IC303	B-4	0216	F-4	0712	E-6	TP103	D-1
D2	B-5	IC304	A-4	0217	F-4	0713	E-6	TP104	C-6
D3	B-5	IC305	D-5	0218	B-6	0721	E-7	TP105	D-4
D4	B-5	IC306	D-7	0219	B-6	0722	E-6	TP106	D-3
D101	D-3	IC307	F-3	0220	B-6	0723	E-6	TP107	E-2
D102	D-3	IC308	E-3	0221	B-6	0801	E-3	TP108	B-8
D103	E-1	IC309	F-6	0222	B-6	0811	D-2	TP201	F-5
D104	E-4	IC310	F-7	0223	B-6	0812	E-2	TP202	E-5
D105	E-4	IC311	F-3	0224	F-5	0813	D-2	TP203	D-1
D106	E-5	IC312	F-3	0225	F-4	0821	F-2	TP204	G-6
D201	E-1	IC313	F-3	0226	F-4	0822	F-2	TP205	B-4
D202	E-3	IC314	F-3	0227	F-4	0823	C-2	TP206	E-3
D203	E-1	IC315	G-7	0301	A-7	0901	D-3	TP207	F-5
D204	F-1	IC316	A-8	0302	A-7	0910	E-2	TP208	F-5
D205	F-5	IC317	F-9	0303	C-8	0911	D-3	TP301	D-5
D206	E-5	IC318	C-8	0304	A-8	0912	E-2	TP302	A-4
IC301	B-4	IC319	C-7	0305	A-6	0913	B-8		
IC302	A-4	IC320	C-7	0306	A-6	0914	B-8		
IC303	D-4	IC321	B-6	0307	A-6	0915	C-6		
IC304	C-3	IC322	F-5	0308	A-6	0916	D-1		
IC305	A-4	IC323	E-4	0309	D-4	0917	D-7		
IC306	B-2	IC324	A-5	0310	D-4	0918	D-2		
IC307	A-3	IC325	D-3	0311	C-4	0919	F-6		
IC308	A-3	IC326	D-3	0312	D-4	0920	F-3		
IC309	A-2	IC327	E-2	0313	B-5	0921	F-7		
IC310	D-7	IC328	D-2	0314	B-4	0922	F-7		
IC311	D-1	IC329	C-3	0315	C-3	0923	B-8		
IC312	G-6	IC330	C-3	0316	C-3	0924	C-6		
IC313	F-1	IC331	C-3	0317	C-4	0925	E-2		
IC314	F-5	IC332	B-6	0318	C-4	0926	F-1		
IC315	C-1	IC333	B-6	0319	C-1	0927	F-1		
IC316	G-7	IC334	B-5	0320	C-3	0928	C-6		
IC317	F-1	IC335	B-5	0321	C-3	0929	C-6		
IC318	D-5	IC336	A-5	0322	C-3	0930	C-6		
IC319	A-4	IC337	A-6	0323	C-2	0931	B-4		
IC320	A-4	IC338	D-5	0324	C-2	0932	B-1		
FL101	E-7	IC339	E-4	0325	C-3	0933	C-1		
IC1	A-7	IC340	E-4	0326	A-4	0934	B-1		
IC2	G-8	IC341	B-8	0327	C-4	0935	B-1		
IC101	E-8	IC342	B-7	0328	B-4	0936	B-4		
IC103	B-6	IC343	B-7	0329	A-1	0937	D-3		
IC104	B-6	IC344	B-6	0330	C-4	0938	D-3		
IC106	E-2	IC345	G-5	0331	B-3	0939	F-8		
IC107	C-2	IC346	F-4	0332	B-3	0940	E-3		
IC201	F-7	IC347	F-4	0333	B-2	0941	B-1		
IC203	F-6	IC348	A-5	0334	B-2	0942	B-2		
IC204	F-6	IC349	F-3	0335	B-2	0943	B-2		
IC206	F-2	IC350	G-2	0336	B-3	0944	B-2		
IC207	G-2	IC351	F-2	0337	A-4	0945	B-2		
IC301	A-6	IC352	G-2	0338	E-6	0946	B-6		

AU-76P; AUDIO HEAD AMPLIFIER, BIAS OSCILLATOR

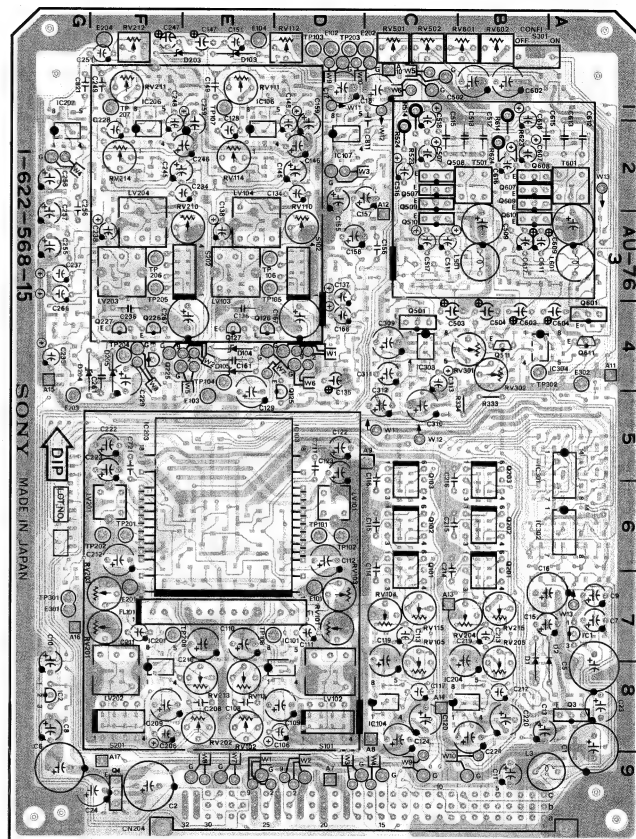


AU-76P — SOLDERING SIDE —
1-622-568-14, 15
BVW-76P
BVW-76P
BVW-96P

AU-76P; AUDIO HEAD AMPLIFIER, BIAS OSCILLATOR



AU-76P — SOLDERING SIDE —
 I-622-568-14, 15
 BVW-70P
 BVW-75P
 BVW-96P



AU-76P — COMPONENT SIDE —
 I-622-568-14, 15
 BVW-70P
 BVW-75P
 BVW-96P

AFM-1; AFM AUDIO MODULATOR/DEMODULATOR
FL-61; LOW PASS FILTER

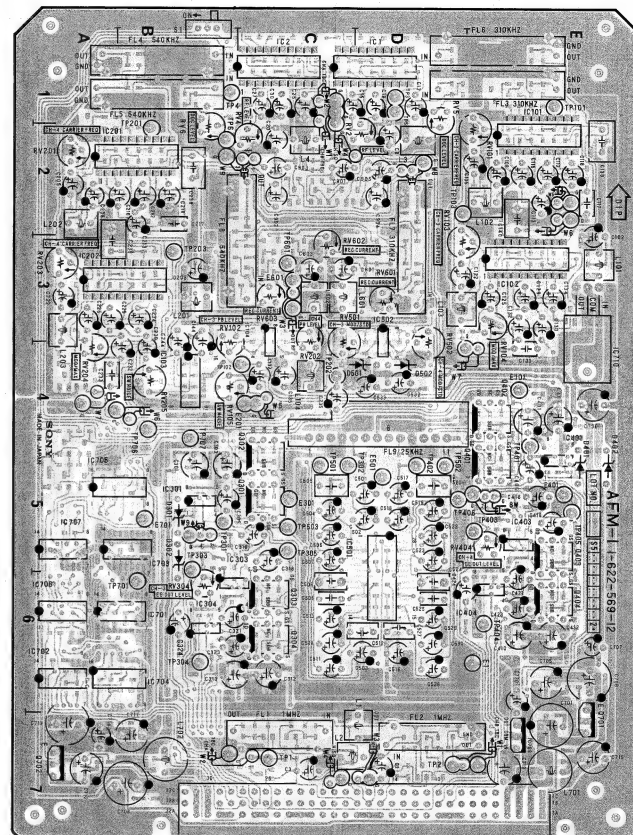
AFM-1 (1-622-569-12)

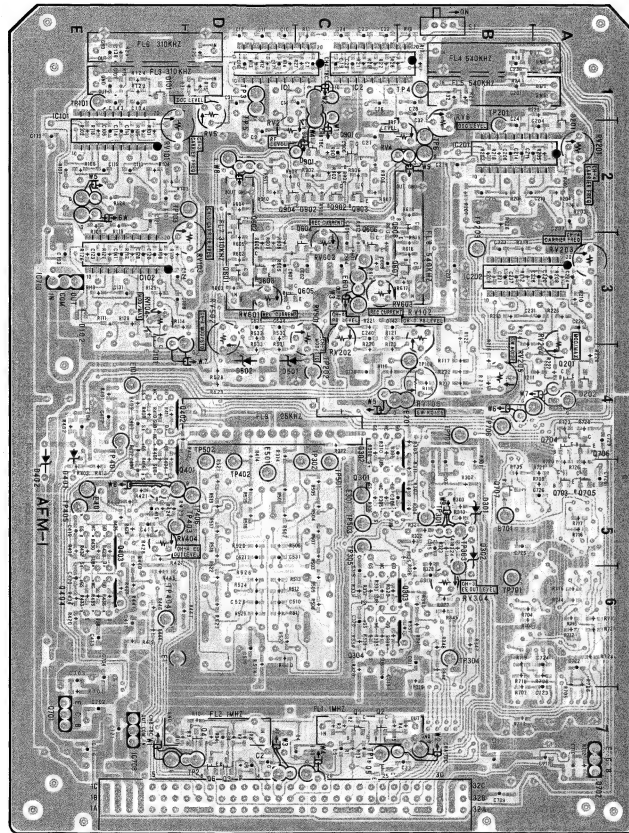
REF. NO	TYPE	PIN NO.			
		+12V	+5V	GND	-12V
IC 1	AK3920K		7	1.19	
IC 2	AK3920K		7	1.19	
IC 101	AK3922N		6	4.15	
IC 102	AK3922N		6	4.15	
IC 103	TC4053BP		16	8	
IC 104	NJM2041N-D	8			4
IC 201	AK3922N		6	4.15	4
IC 202	AK3922N		6	4.15	4
IC 301	NJM2041N-D	8			4
IC 303	NJM2041N-D	8			4
IC 304	NJM5532N	8			4
IC 401	NJM2041N-D	8			4
IC 403	NJM2041N-D	8			4
IC 404	NJM5532N	8			4
IC 501	CD2009	8	15	1.14	4
IC 502	NJM2041N-D				4
IC 701	TC4011BP		14	7	4
IC 702	TC4038BP		14	7	4
IC 703	TC504013BP		14	7	4
IC 704	TC4538BP		16	8	4
IC 705	TC4538BP		16	8	
IC 706	TC4001BP		14	7	
IC 707	TC4011BP		14	7	4
IC 708	NJM78L06A			2	
IC 710	NJM7805A	*	*	2	*

* REFER TO SCHEMATIC

AFM-1 (1-622-569-12)

D101	E-2	IC103	B-4	Q403	E-5	RV304	B-6	TP601	C-3
D102	E-3	IC104	C-3	Q404	E-6	RV404	E-5	TP701	B-6
D201	A-2	IC201	A-2	Q501	D-3	RV501	C-3	TP706	B-4
D202	A-4	IC202	B-3	Q502	D-2	RV502	D-3	TP707	B-4
D301	B-5	IC301	B-5	Q503	D-3	RV601	D-3		
D302	B-5	IC303	B-6	Q504	C-3	RV602	C-3		
D401	E-5	IC304	B-6	Q505	D-3	RV603	C-3		
D402	E-5	IC401	E-5	Q506	C-3				
D501	D-4	IC403	B-3	Q507	B-3	S1	B-1		
D502	D-4	IC404	E-6	Q508	B-2				
D901	C-2	IC501	D-6	Q701	E-7	TP1	C-7		
D902	C-2	IC502	D-3	Q702	A-7	TP2	D-7		
		IC701	B-6	Q703	A-5	TP3	D-1		
E1	E-6	IC702	A-6	Q704	A-4	TP4	B-1		
E101	E-4	IC703	B-5	Q705	A-5	TP5	D-1		
E201	B-4	IC704	B-6	Q706	A-4	TP6	B-2		
E301	C-5	IC705	A-5	Q707	B-5	TP101	E-2		
E401	E-5	IC706	A-6	Q901	C-2	TP102	B-4		
E501	D-5	IC707	A-5	Q902	C-2	TP103	D-1		
E901	C-3	IC708	E-7	Q903	C-2	TP201	B-2		
E902	B-5	IC710	E-3	Q904	D-2	TP202	C-4		
FL1	C-7	Q1	C-7	RV2	D-2	TP203	B-3		
FL2	D-7	Q2	C-7	RV4	B-2	TP301	B-5		
FL3	E-1	Q3	D-7	RV5	D-1	TP302	C-5		
FL4	B-1	Q4	D-7	RV6	B-2	TP303	B-6		
FL5	B-1	Q5	C-7	RV101	E-2	TP304	B-6		
FL6	E-1	Q6	D-7	RV102	B-3	TP305	C-5		
FL7	D-3	Q101	E-3	RV103	D-3	TP401	E-4		
FL8	B-2	Q201	A-4	RV104	E-3	TP402	D-5		
FL9	D-4	Q301	C-5	RV105	B-4	TP403	E-5		
IC1	D-1	Q302	C-4	RV201	A-2	TP404	E-6		
IC2	C-1	Q303	C-6	RV202	C-3	TP405	E-5		
IC101	E-2	Q401	E-5	RV203	A-3	TP406	D-5		
IC102	E-3	Q402	E-4	RV204	A-4	TP501	C-5		
				RV205	B-4	TP502	D-5		
						TP503	C-5		

AFM-1 — COMPONENT SIDE —
1-622-569-12
BVM-70P
BVM-70P
BVM-96P

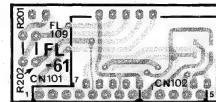


NENT SIDE —

AFM-1 — SOLDERING SIDE —

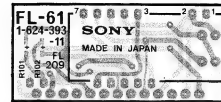
1-622-968-12
BVW-75P
BVW-75P
BVW-96P

17-111



FL-61 — COMPONENT SIDE —

1-624-393-11
BVW-75P
BVW-75P
BVW-96P



FL-61 — SOLDERING SIDE —

1-624-393-11
BVW-75P
BVW-75P
BVW-96P

17-112

CP-111 (1-622-571-12)

REF. NO.	TYPE	PIN NO.	
		+12V	-12V
IC 31	NJM4560D-D	8	4
IC 32	CK770	*	*
IC 33	NJM4560D-D	8	4
IC 34	NJM4560D-D	8	4
IC 35	NJM4560D-D	8	4
IC 36	CK770	*	*
IC 37	NJM4560D-D	8	4
IC 38	CK770	*	*
IC 39	NJM4560D-D	8	4
IC 40	NJM4560D-D	8	4

* REFER TO SCHEMATIC

CP-111 (1-622-571-12)

ON1	A-3	E1	D-6
ON2	B-3	E2	F-6
ON3	C-3	E3	E-5
ON4	D-3	E4	F-6
ON5	E-3		
ON6	F-3	IC31	E-6
ON07	D-6	IC32	F-6
ON08	E-5	IC33	F-1
ON09	D-1	IC34	C-1
ON10	B-7	IC35	E-1
ON11	B-1	IC36	E-6
ON12	A-7	IC37	E-7
ON13	D-6	IC38	C-6
ON14	C-7	IC39	A-6
ON15	B-6	IC40	A-6

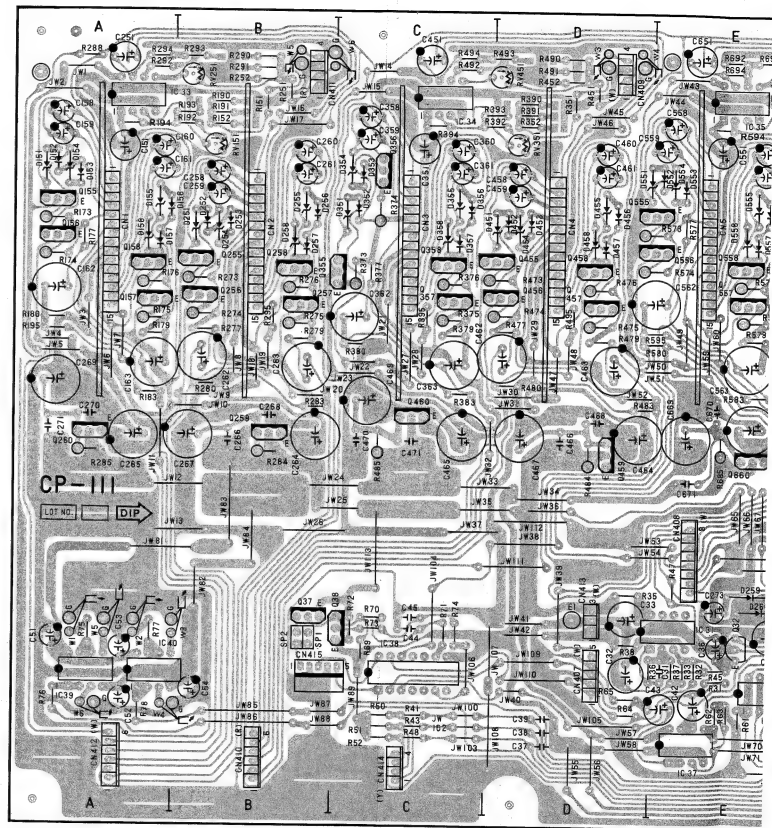
D151	A-2	D31	F-3
D152	A-2	D32	B-6
D153	A-2	D33	F-7
D154	A-2	D34	F-2
D155	A-2	D35	F-7
D156	A-2	D36	F-3
D157	A-3	D37	B-6
D158	A-3	D38	C-6
D251	B-2	D155	A-2
D252	B-2	D156	A-2
D253	B-2	D157	A-3
D254	B-2	D158	A-3
D255	B-2	D255	B-3
D256	B-2	D256	B-3
D257	B-3	D257	B-3
D258	B-3	D258	B-3
D259	E-6	D259	B-4
D260	E-6	D260	A-4
D351	C-2	D261	E-6
D352	C-2	D355	C-2
D353	C-2	D356	C-2
D354	C-2	D357	C-3
D355	C-2	D358	C-3
D356	C-2	D455	D-3
D357	C-3	D456	D-3
D358	C-3	D457	D-3
D451	D-2	D458	D-3
D452	D-2	D459	D-4
D453	D-2	D460	C-4
D454	D-2	D555	E-2
D455	D-2	D556	E-3
D456	D-2	D557	E-3
D457	D-3	D558	E-3
D458	D-3	D559	E-3
D551	D-2	D560	E-3
D552	E-2	D557	F-5
D553	E-2	D558	F-4
D554	E-2	D559	F-5
D555	E-2	D650	E-4
D556	E-2		
D557	E-2		
D558	E-2		
D559	E-2		
D650	E-2		
D651	E-2		
D652	E-2		
D653	F-2		
D654	F-2		
D655	F-4		
D656	F-4		
D657	F-4		
D658	F-4		

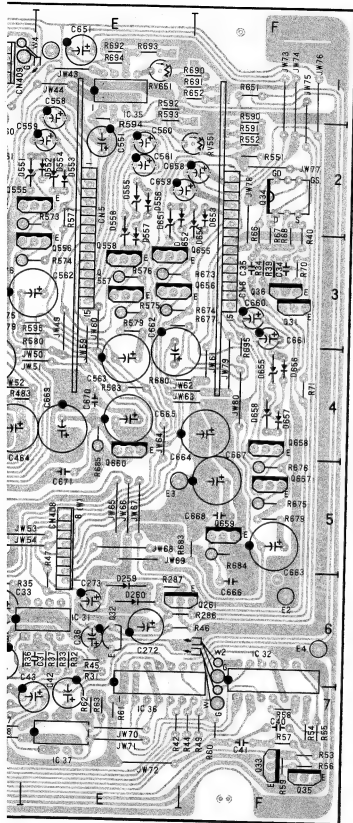
CP-111; AUDIO OUTPUT AMPLIFIER/DRIVER

CP-113; AUDIO BALANCED AMPLIFIER

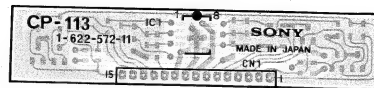
HP-33; HEADPHONES AMPLIFIER/JACK

VR-62; HEADPHONES LEVEL VOLUME





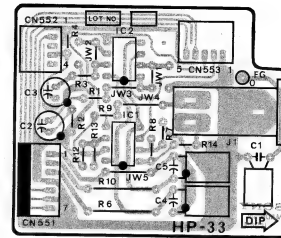
CP-111 — COMPONENT SIDE —
1-622-571-12
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-70P BVW-96P



CP-113 — COMPONENT SIDE —



CP-113 — SOLDERING SIDE —

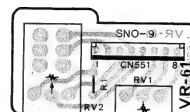


HP-33 — COMPONENT SIDE —



VR-62 — COMPONENT SIDE —

SW-144 ; SELECT SWITCH/DISPLAY
 VR-61 ; VIDEO/TRACKING CONTROL VOLUME
 DP-72 ; VIDEO/RF METER LED
 DP-74 ; AUDIO LEVEL METER
 DP-73 ; DC-AC/DC CONVERTER



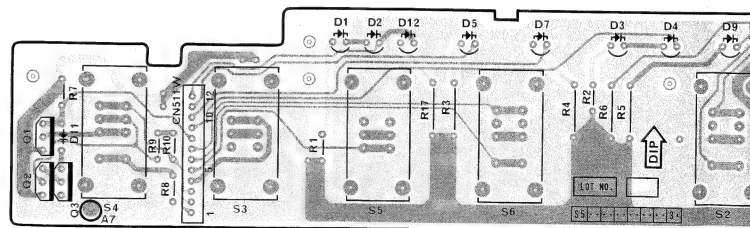
VR-61 — COMPONENT SIDE —

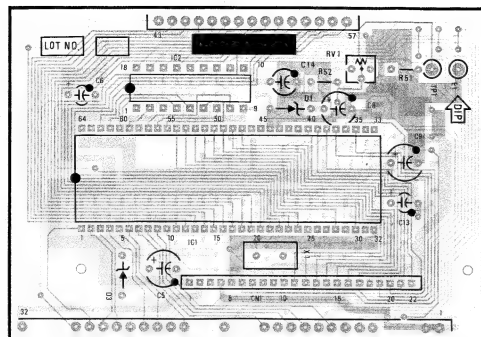
1-622-586-11
 BVW-60P BVW-96P
 BVW-70P
 BVW-75P



DP-72 — COMPONENT SIDE —

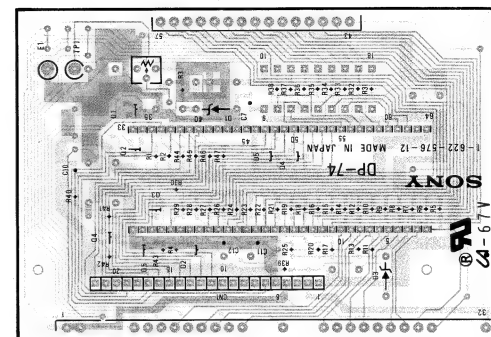
1-622-581-12
 BVW-60P BVW-75P
 BVW-65P BVW-95P
 BVW-70P BVW-96P





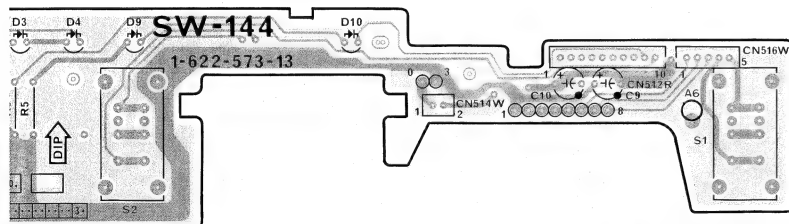
DP-74 — COMPONENT SIDE —

1-622-576-12
 BVW-60P BVW-75P
 BVW-65P BVW-85P
 BVW-70P BVW-95P



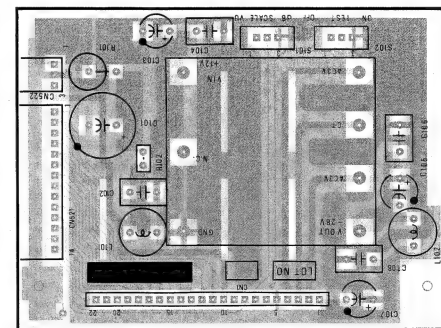
DP-74 — SOLDERING SIDE —

1-622-576-12
 BVW-60P BVW-75P
 BVW-65P BVW-85P
 BVW-70P BVW-95P



SW-144 — COMPONENT SIDE —

1-622-573-13
 BVW-75P



DP-73 — SOLDERING SIDE —

1-622-576-12
 BVW-60P BVW-75P
 BVW-65P BVW-85P
 BVW-70P BVW-95P

SV-82/82A; MICROCOMPUTER SERVO

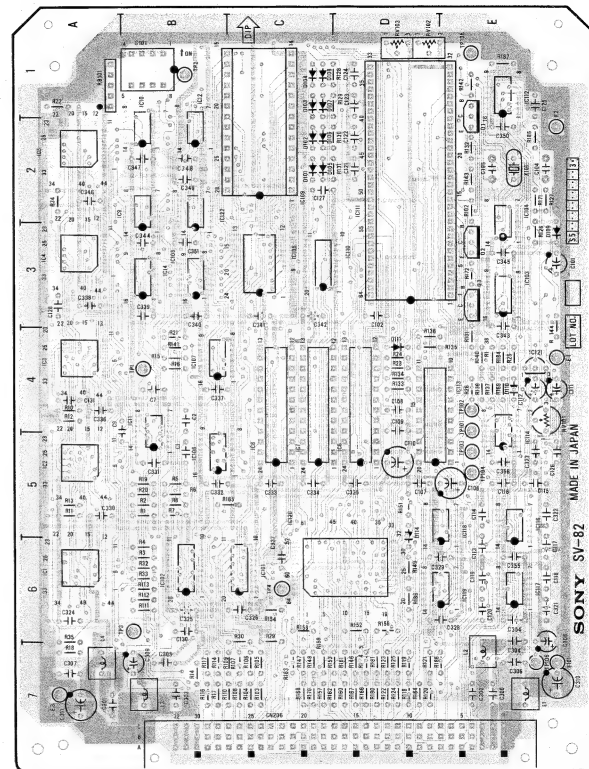
SV-82/82A (1-622-582-13)

REF. NO.	TYPE	PIN NO.				
		+12V	+5V	GND	-5V	-12V
IC 1	μ P071054G		38	16		
IC 2	μ P071054G		38	16		
IC 3	μ P071054G		38	16		
IC 4	μ P071054G		38	16		
IC 5	μ P071054G		38	16		
IC 6	CFK77074NT		23, 24	9, 12		
IC 7	CFK77074NT		23, 24	9, 12		
IC 8	CFK77074NT		23, 24	9, 12		
IC 9	TC74HC74F		14	7		
IC 10	SN74HC4024NS		14	7		
IC 11	TC74HC14F		14	7		
IC 12	TC74HC14F		14	7		
IC 14	TC40538F		16	7, 8		
IC 101	TC74HC245NS		20	10		
IC 102	TC74HC244F		20	10		
IC 103	TC40528F		16	8		
IC 104	TC74HC04F		14	6, 7		
IC 105	CMX38104-12L		24	12		
IC 106	TCX74HC138F		16	8		
IC 107	TCX74HC138F		16	8		
IC 108	TCX74HC139F		16	8		
IC 109	27256-25		28	14		
IC 110	SN74HC573NS		20	10		
IC 111	μ P78310CM		64	32		
IC 112	SN74HC4040NS		16	8		
IC 113	μ P5486C					17
IC 114	TL084CNS					11
IC 115	TL084CNS					11
IC 116	TL084CNS					11
IC 117	TL084CNS					11
IC 118	TC40598F		14	7		
IC 119	TC40568F		14	7		
IC 120	CX010950		58	10, 27, 42, 57	26	
IC 121	NJRT8L09A			2		
IC 122	TC74HC08F		14	7		

SV-82/82A (1-622-582-13)

CN206	C-7	Q1	E-2
D101	C-2	Q2	E-3
D102	C-1	Q3	E-3
D103	C-1	RV101	E-4
D104	C-1	RV102	D-1
D105	C-2	RV103	D-1
D106	C-2		
D107	C-1	S101	A-1
D108	C-1		
D109	E-3	TP1	B-4
D110	E-4	TP2	B-1
D111	D-4	TP3	B-6
D114	D-5	TP4	C-6
E1	E-4	TP101	E-4
E2	E-2	TP102	E-4
E3	E-7	TP103	E-5
E101	E-7	TP104	E-5
		TP105	E-1
		TP106	E-7
IC1	A-6		
IC2	A-5	X101	E-2
IC3	A-4		
IC4	A-3		
IC5	A-2		
IC6	D-4		
IC7	C-4		
IC8	C-4		
IC9	B-2		
IC10	B-2		
IC11	B-4		
IC12	B-2		
IC14	B-3		
IC101	C-6		
IC102	B-6		
IC103	E-3		
IC104	E-2		
IC105	C-3		
IC106	B-5		
IC107	B-4		
IC108	B-3		
IC109	C-2		
IC110	C-3		
IC111	D-2		
IC112	E-1		
IC113	D-4		
IC114	E-4		
IC116	E-5		
IC117	E-6		
IC118	D-5		
IC119	D-6		
IC120	C-6		
IC121	E-4		
IC122	B-2		

	SV-82	SV-82A
BW-60P		○
BW-63P		○
BW-70P	○	
BW-75P	○	
BW-90P		○
BW-90P	○	

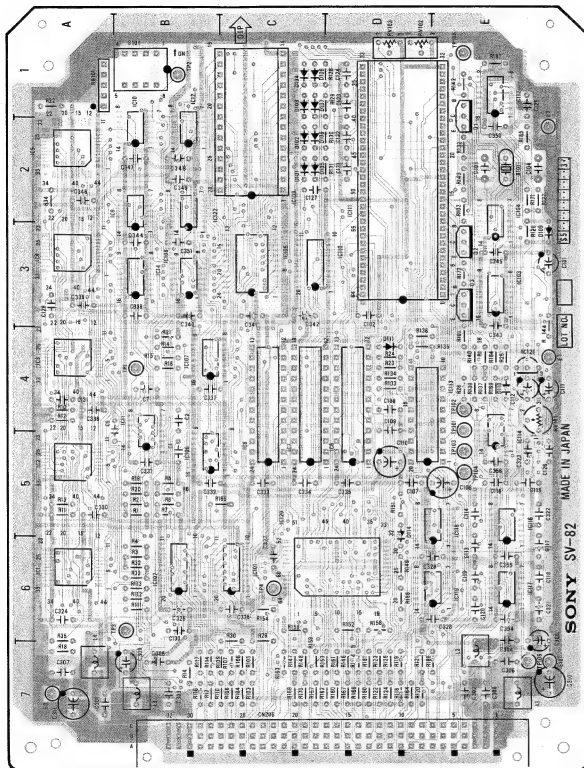


SV-82/82A — COMPONENT SIDE —

1-622-582-13
 BW-60P BW-75P
 BW-63P BW-90P
 BW-70P BW-90P

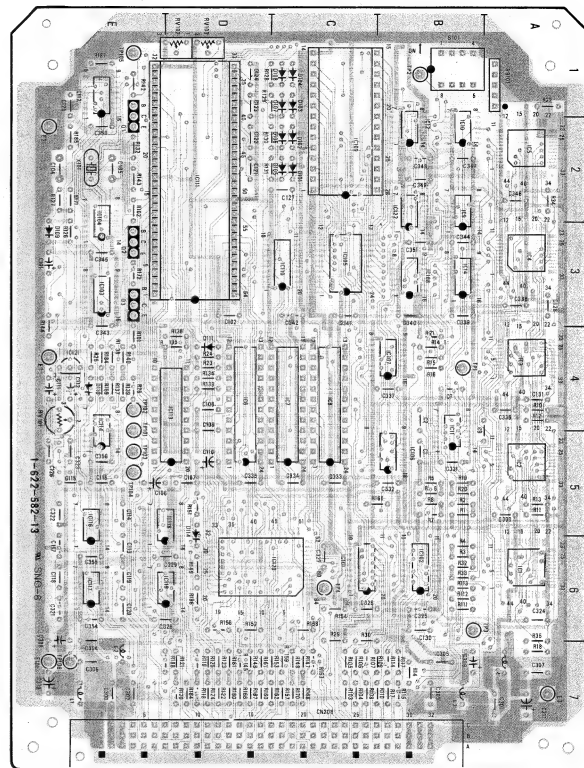
SV-82/82A; MICROCOMPUTER SERVO

F-2
 F-3
 F-5
 D-1
 D-1
 D-1
 B-1
 B-4
 B-1
 B-6
 C-6
 E-4
 E-4
 E-5
 E-1
 E-7
 E-2



SV-82/82A — COMPONENT SIDE —

1-620-880-11
 BVW-60P BVW-75P
 BVW-60P BVW-60P
 BVW-70P BVW-60P



SV-82/82A — SOLDERING SIDE —

1-620-880-11
 BVW-60P BVW-75P
 BVW-60P BVW-60P
 BVW-70P BVW-60P

SV-83/83A/83B (1-622-583-12)

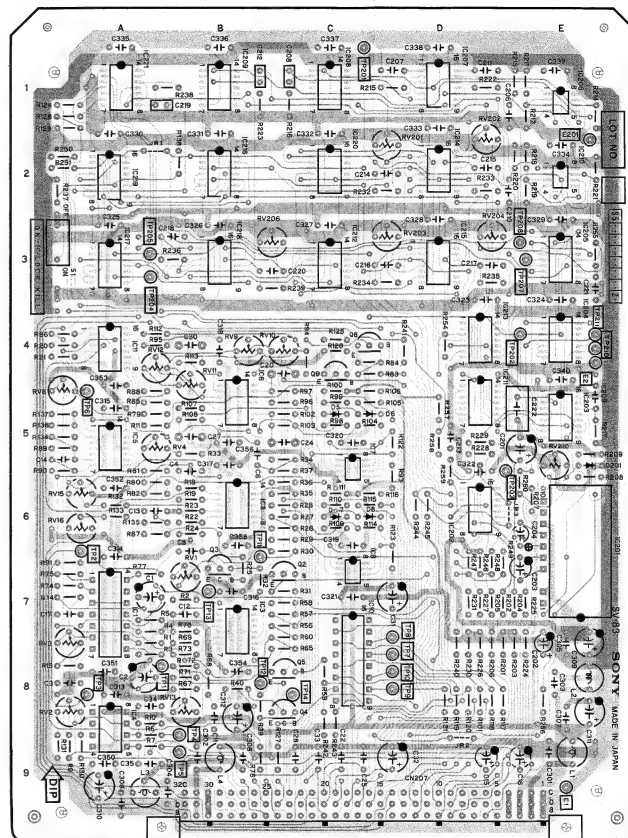
REF. NO.	TYPE	PIN NO.				
		+12V	+5V	GND	-5V	-12V
IC 1	μ PC524C					
IC 2	T1084CMS	4			11	11
IC 3	T1084CMS	4				11
IC 4	NJM45580-FA	4			4	
IC 5	T1084CMS	4				11
IC 6	T1084CMS	4				11
IC 7	NJM2903M	8				
IC 8	NJM2903M	8			4	
IC 9	CK2302Z		12, 16	8		
IC 11	TC40538FHB		16		7	
IC 201	8X3915A	*			2, 8	
IC 202	TC40538FHB		16		7, 8	
IC 203	TC45388F		16		8	
IC 204	TC5040138F		14		7	
IC 205	TC405118F		14			
IC 206	NJM2903M	8				
IC 207	TC45388F		16		8	
IC 208	TC40248F		14		7	
IC 209	TC40248F		14		7	
IC 210	NJM2903M		8		4	
IC 211	TC40118F		14		7	
IC 212	TC40118F		14		7	
IC 213	TC5040138F		14		7	
IC 214	TC45388F		16		8	
IC 215	TC45388F		16		8	
IC 216	TC5040138F		14		7	
IC 217	TC5040138F		14		7	
IC 218	TC45388F		16		8	
IC 219	TC40538FHB		16		7	
IC 220	TC74HC1608F		16		8	
IC 221	TC40308F		14		7	

* REFER TO SCHEMATIC

	SV-83	SV-83A	SV-83B
BW-60P			○
BW-65P			○
BW-70P		○	
BW-75P	○		
BW-95P			○
BW-96P	○		

SV-83/83A/83B (1-622-583-12)

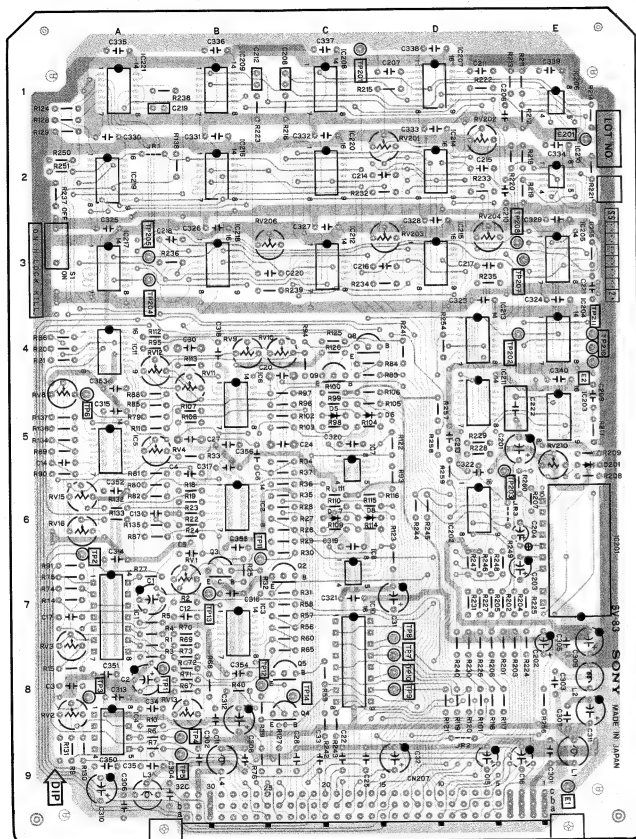
X20207	D-9	TP1	A-8
		TP2	A-6
D5	C-5	TP3	A-8
D6	C-5	TP4	B-9
D7	C-6	TP5	B-9
D8	C-6	TP6	A-4
X20201	E-5	TP7	D-8
		TP8	D-7
E1	E-9	TP9	D-8
E2	E-9	TP10	D-8
E3	E-2	TP11	B-6
		TP12	B-8
IC1	A-7	TP13	B-7
IC2	B-6	TP14	C-8
IC3	A-7	TP201	C-1
IC4	A-8	TP202	E-4
IC5	B-5	TP203	E-6
IC6	B-5	TP204	A-3
IC7	B-5	TP205	A-3
IC8	C-7	TP207	E-3
IC10	C-8	TP208	E-3
IC11	A-4	TP210	E-4
IC201	D-6	TP211	E-4
IC202	D-6		
IC203	E-5		
IC204	E-4		
IC205	E-3		
IC206	E-1		
IC207	D-1		
IC208	C-1		
IC209	B-1		
IC210	D-5		
IC211	D-2		
IC212	C-8		
IC213	D-4		
IC214	D-2		
IC215	D-3		
IC216	B-2		
IC217	A-3		
IC218	B-3		
IC219	A-2		
IC220	C-2		
IC221	A-1		
Q2	C-7		
Q3	B-7		
Q4	C-8		
Q5	C-8		
Q6	C-4		
Q9	C-4		
RW1	B-7		
RW2	A-8		
RW3	A-7		
RW4	A-5		
RW5	A-4		
RW10	C-4		
RW11	B-4		
RW12	A-4		
RW13	B-8		
RW15	A-6		
RW16	A-6		
RW201	D-2		
RW202	D-2		
RW203	D-3		
RW204	D-3		
RW206	B-3		
RW210	E-5		
S1	A-3		



SV-83/83A/83B — COMPONENT SIDE —

1-822-583-12
 BVW-60P BVW-75P
 BVW-65P BVW-95P
 BVW-70P BVW-96P

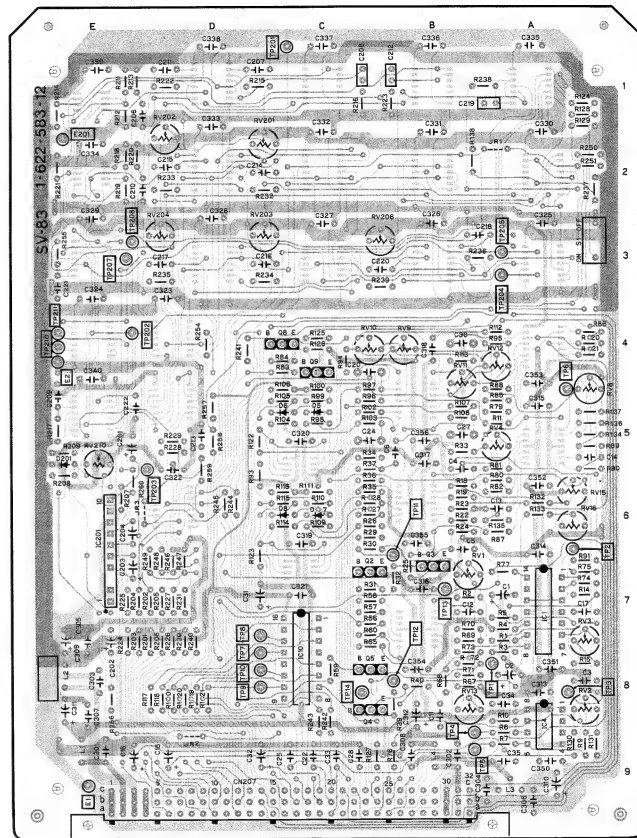
SV-83/83A/83B; REEL SERVO



SV-83/83A/83B — COMPONENT SIDE —

1-622-583-12
 BVW-65P BVW-75P
 BVW-65P BVW-65P
 BVW-75P BVW-65P

17-140



SV-83/83A/83B — SOLDERING SIDE —

1-622-583-12
 BVW-65P BVW-75P
 BVW-65P BVW-65P
 BVW-75P BVW-65P

17-141

SV-84P; CAPSTAN/DRUM SERVO

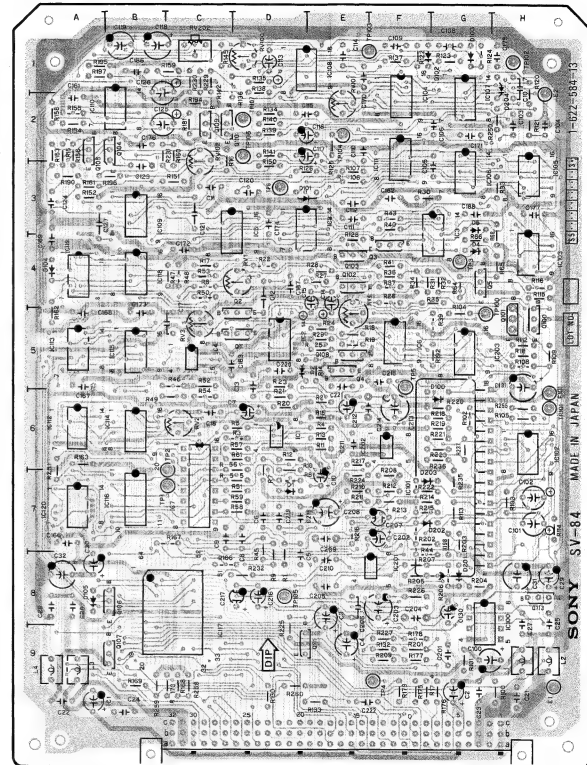
SV-84P (1-622-584-13)

PWR. NO.	TYPE	PIN NO.					
		V REF.	+12V	+5V	GND	-5V	-12V
IC 1	NUM520M	8	4		4	11	
IC 2	TL084CNS		4			11	
IC 3	TL084CNS		8				
IC 4	NUM520M		16	4	8		
IC 5	TC4538P		16	8	7		
IC 6	TC4538PFB		16	8			
IC 7	CK20228		16	8			
IC 8	TC4011BF		14	7			
IC 9	NUM5530FA	8		4			
IC 101	EX3914	*	*	17	*	*	
IC 102	TC4538P		16	8			
IC 103	TC4538P		16	8			
IC 104	TC4538P		16	8			
IC 105	TC4538P		16	8			
IC 106	TC4001BF		14	7			
IC 107	TC4071BF		14	7			
IC 108	TC4538P		16	8			
IC 109	SN74LS221NS		16	8			
IC 110	TL084CNS	4		8		11	
IC 111	TC4538P		16	8			
IC 112	TC40000P		14	7			
IC 113	TC40000P		14	7			
IC 114	SN74HC139NS		16	8			
IC 115	SN74HC139NS		16	8			
IC 116	SN74LS93N		20	10, 25, 42, 57			
IC 117	CD1055A		26, 38	10, 25, 42, 57			
IC 118	TC74HC4049P		1	8			
IC 119	TC74HC74P		14	7			
IC 120	TC74HC25P		14	7			
IC 201	NUM520M		8	4			
IC 202	NUM520M		8	4			
IC 203	TC4538PFB	16		8			

*REFER TO SCHEMATIC

SV-84P (1-622-584-13)

CN208	E-9	Q1	D-5
D1	D-7	Q2	D-5
D2	D-5	Q3	F-4
D4	G-4	Q4	E-5
D5	G-3	Q5	G-4
D100	G-6	Q100	E-5
D-3		Q101	H-5
D101	D-3	Q102	E-4
D102	F-1	Q103	E-4
D103	G-1	Q104	B-2
D104	A-4	Q105	A-2
D105	A-8	Q106	B-8
D201	G-8	Q107	B-9
D202	F-7	Q108	E-4
D203	F-7	Q109	C-2
D204	H-1	Q110	C-2
		Q111	D-9
		Q113	H-8
E1	H-9	RV1	D-4
E2	H-1	RV2	C-6
E101	H-6	RV3	C-5
		RV4	B-5
IC1	D-6	RV100	D-1
IC2	D-5	RV101	E-2
IC3	G-3	RV102	C-2
IC4	C-5	RV202	C-1
IC5	D-3		
IC6	F-5		
IC7	C-7	TP1	C-7
IC8	E-3	TP2	C-7
IC100	G-8	TP3	G-4
IC101	C-7	TP4	F-9
IC102	H-6	TP5	F-5
IC103	B-4	TP6	D-3
IC104	F-1	TP100	G-5
IC105	H-3	TP101	H-5
IC106	G-3	TP102	H-1
IC107	C-2	TP103	E-1
IC108	E-1	TP104	E-2
IC109	B-3	TP105	D-9
IC110	B-2	TP106	D-2
IC111	F-2	TP107	D-2
IC112	A-5		
IC113	A-5		
IC114	B-6		
IC115	B-5		
IC116	B-7		
IC117	C-8		
IC118	B-4		
IC119	A-4		
IC120	A-7		
IC201	C-5		
IC202	F-6		
IC203	G-5		



SV-84P — COMPONENT SIDE —

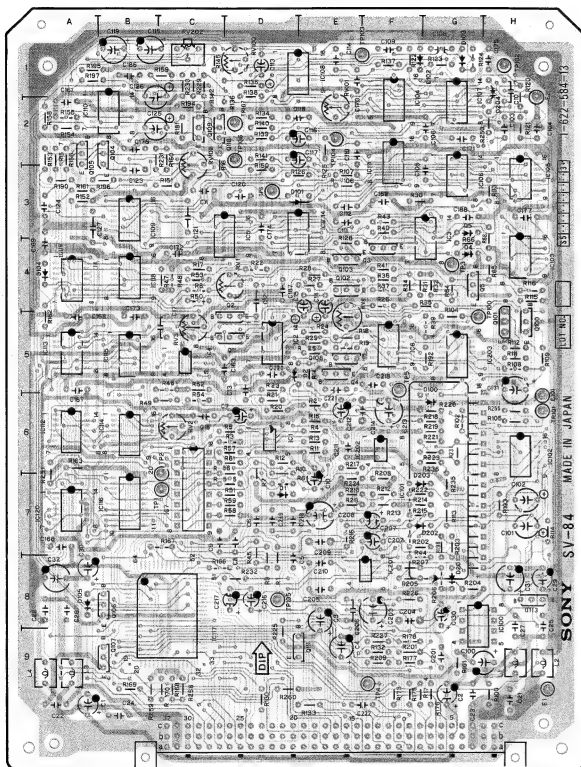
1-622-584-13
 BVW-65P BVW-70P
 BVW-65P BVW-65P
 BVW-70P BVW-65P

SV-84P; CAPSTAN/DRUM SERVO

D-5
D-5
F-4
E-5
C-4
H-5
H-5
E-4
E-2
A-2
B-8
B-9
C-5
C-2
D-9
H-8

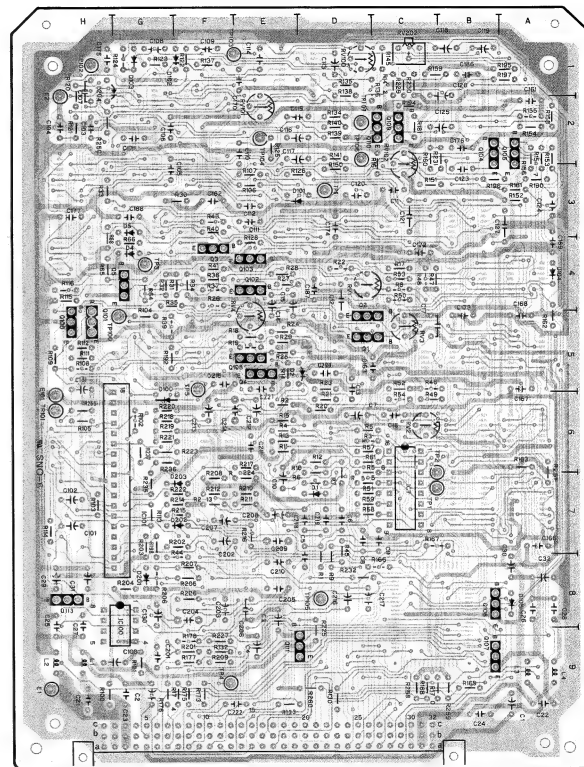
D-4
C-6
C-6
E-5
D-1
E-2
C-2
C-1

C-7
C-7
C-4
F-9
F-5
D-3
D-5
H-6
H-1
E-1
E-2
D-8
D-2
D-2



SV-84P — COMPONENT SIDE —

1-622-384-13
BVW-65P BVW-75P
BVW-65P BVW-65P
BVW-70P BVW-65P



SV-84P — SOLDERING SIDE —

1-622-384-13
BVW-65P BVW-75P
BVW-65P BVW-65P
BVW-70P BVW-65P

RE-28 (1-622-559-12)

REF. NO.	TYPE	PIN NO.	
		+12V	GND
IC 1	CK877	8	9

RE-28 (1-622-559-12)

CN811 C-2
CN812 C-2
CN813 D-2
CN814 B-2
CN815 C-1
CN816 D-1
CN817 C-1
CN818 D-1
CN819 D-1
CN820 D-1
CN821 A-1
CN822 A-2
CN823 B-1
CN824 A-2

D1 B-1

E1 D-2

IC1 B-1

Q1 D-2

Q2 D-1

Q3 D-2

Q4 C-2

Q5 B-2

Q6 B-2

DR-56 (1-622-561-12)

CN841 K-1

CN842 F-1

CN843 A-1

Q1 G-1

Q2 G-1

Q3 H-1

Q4 H-1

Q5 J-1

Q6 J-1

Q7 J-1

Q8 E-1

Q9 E-1

Q10 D-1

Q11 C-1

Q12 B-1

RE-28 ; DRUM/CAPSTAN MOTOR DRIVER

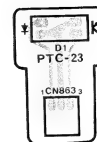
PTC-20 ; CASSETTE DETECTOR

PTC-21 ; REEL TABLE POSITION DETECTOR

PTC-23 ; REC INHIBIT DETECTOR

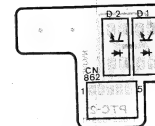
PTC-36 ; CASSETTE DETECTOR

DR-56 ; DRUM ERROR AMPLIFIER, CAPSTAN/REEL MOTOR DRIVER



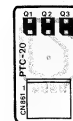
PTC-23 — COMPONENT SIDE —

1-622-600-11
BVW-70P
BVW-75P
BVW-85P
BVW-95P



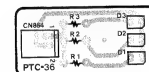
PTC-21 — COMPONENT SIDE —

1-622-599-11
BVW-60P BVW-75P
BVW-65P
BVW-70P



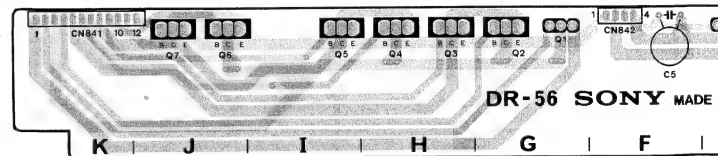
PTC-20 — COMPONENT SIDE —

1-622-598-11
BVW-60P BVW-75P
BVW-65P
BVW-70P



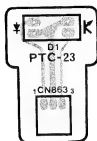
PTC-36 — COMPONENT SIDE —

1-622-601-11
BVW-60P BVW-75P
BVW-65P
BVW-70P

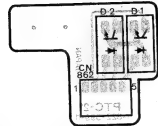


DR-56 SONY MADE IN JAPAN

RE-28; DRUM/CAPSTAN MOTOR DRIVER
 PTC-20; CASSETTE DETECTOR
 PTC-21; REEL TABLE POSITION DETECTOR
 PTC-23; REC INHIBIT DETECTOR
 PTC-36; CASSETTE DETECTOR
 DR-56; DRUM ERROR AMPLIFIER, CAPSTAN/REEL MOTOR DRIVER



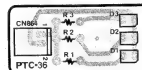
PTC-23 — COMPONENT SIDE —
 1-622-600-11
 BVW-70P BVW-75P
 BVW-85P



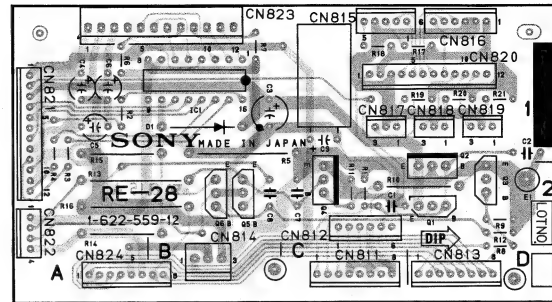
PTC-21 — COMPONENT SIDE —
 1-622-600-11
 BVW-60P BVW-75P
 BVW-85P BVW-70P



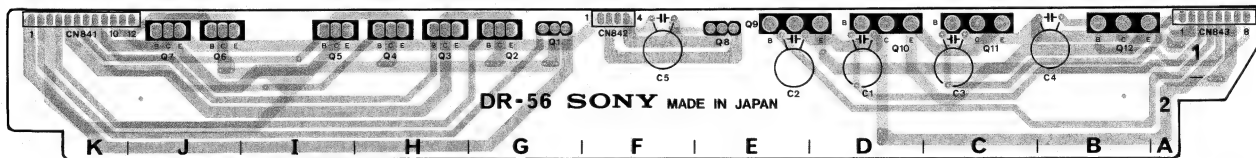
PTC-20 — COMPONENT SIDE —
 1-622-600-11
 BVW-60P BVW-75P
 BVW-85P BVW-70P



PTC-36 — COMPONENT SIDE —
 1-622-601-11
 BVW-60P BVW-75P
 BVW-85P BVW-70P



RE-28 — COMPONENT SIDE —
 1-622-559-12
 BVW-60P BVW-75P
 BVW-85P BVW-95P
 BVW-70P BVW-96P



DR-56 — SOLDERING SIDE —
 1-622-561-12
 BVW-60P BVW-75P
 BVW-85P BVW-70P

RE-36 (1-622-560-11)

REF. NO	TYPE	PIN NO.	
		+12V	GND
1C 101	NJM45620-D	8	4
1C 201	NJM45620-D	8	4

RE-36 (1-622-560-11)

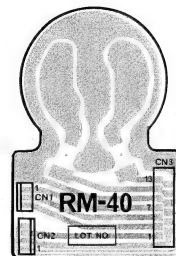
CN801 C-1
CN802 J-2
CN803 H-1
CN804 H-1
CN805 A-2
CN806 H-2
CN807 D-1
CN808 J-1
CN809 J-1
CN810 J-2
CN811 C-1
CN812 C-1
CN813 C-1

D1 J-1
D2 J-2

1C101 D-2
1C201 D-2

Q1 C-2
Q2 E-2
Q3 E-2
Q4 C-2
Q101 C-1
Q102 C-1
Q201 C-2
Q202 C-2

RE-36; REEL MOTOR DRIVER
RM-40; REEL MOTOR
DE-15; REEL MOTOR PG
SE-57; THREADING MOTOR CONTROL
PTC-31; THREADING MOTOR PG
TR-18; TAPE TENSION DETECTOR



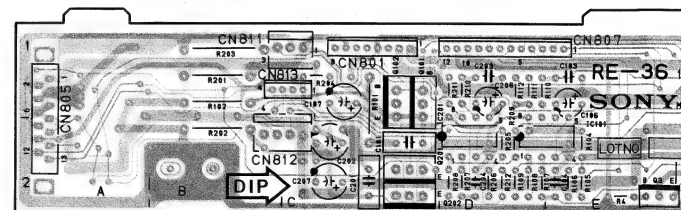
RM-40 — COMPONENT SIDE —

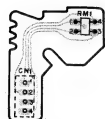
1-622-606-12
BVW-GOP BVW-75P
BVW-65P
BVW-75P



DE-15 — COMPONENT SIDE —

1-622-606-12
BVW-GOP BVW-75P
BVW-65P
BVW-75P

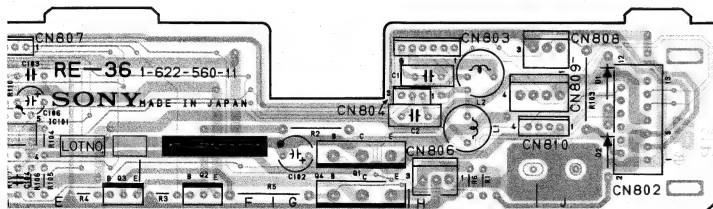


**TR-18** — SOLDERING SIDE —

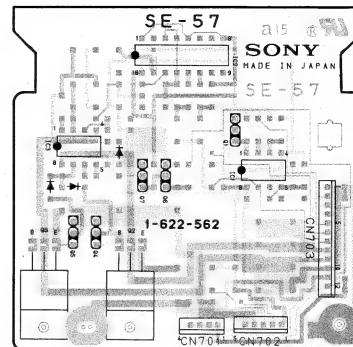
1-611-279-11
BVW-60P BVW-75P
BVW-65P
BVW-70P

**PTC-31** — COMPONENT SIDE —

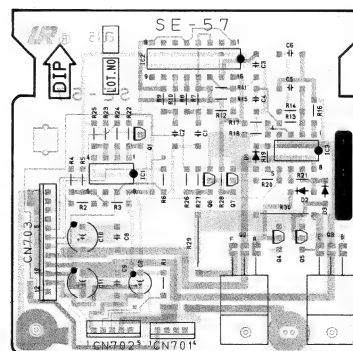
1-622-607-11
BVW-60P BVW-75P
BVW-65P
BVW-70P

**RE-36** — COMPONENT SIDE —

1-622-560-11
BVW-60P BVW-75P
BVW-65P
BVW-70P

**SE-57** — COMPONENT SIDE —

1-622-562-12
BVW-60P BVW-75P
BVW-65P
BVW-70P

**SE-57** — SOLDERING SIDE —

1-622-562-12
BVW-60P BVW-75P
BVW-65P
BVW-70P

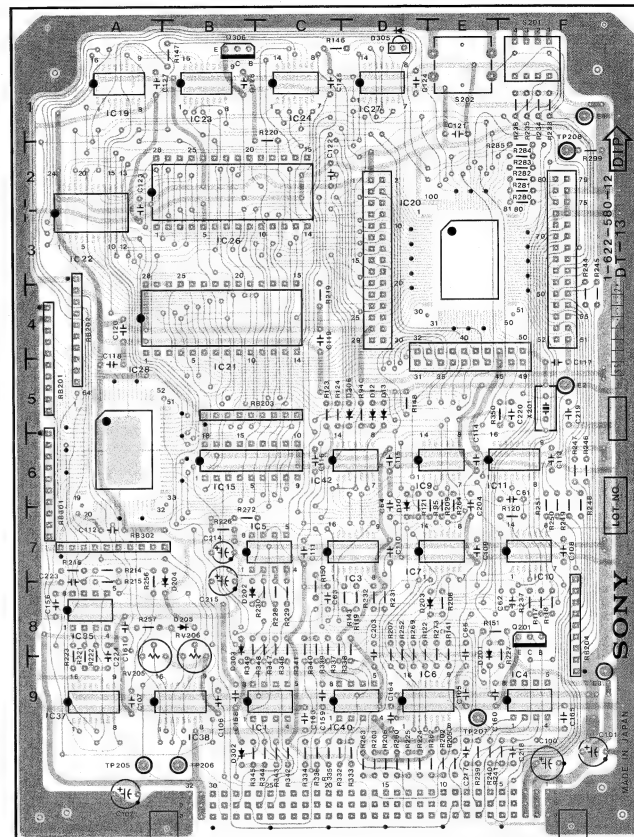
DT-13; DYNAMIC TRACKING

DT-13 (1-622-580-12)

PRE. NO	TYPE	PIN NO.			
		+12V	+5V	GND	-12V
IC 1	μPC4558C	8		7	4
IC 3	SN74HC395		14		
IC 4	μPC4558C	8		7	4
IC 5	NJM2903D		8	4	
IC 6	TC4050BP		1	8	
IC 7	TC4050BP		14	7	
IC 9	TC4001BP		14	7	
IC 10	TC4001BP		14	7	
IC 11	TC4558BP		16	8	
IC 15	MSM5204ARS		18	3,10	
IC 19	TC4001BP		16	8	
IC 20	TPP284C011AF-6		11	29	
IC 21	MR2764-25		28	14	
IC 22	CX05816M-12L		24	12	
IC 23	TC4001BP		16	8	
IC 24	TC400032P		14	7	
IC 26	TPP284C30AP-6		24	5	
IC 27	TC74074F		16	8	
IC 28	CX010950		16	8	
IC 35	μPC4558C	8			4
IC 37	TC4053BP		16	8	
IC 38	TC4053BP		16	8	
IC 40	μPC4558C	8			4
IC 42	TC04001BP		14	7	

DT-13 (1-622-580-12)

CN1	D-9
D10	D-6
D12	D-5
D13	D-5
D14	D-8
D22	D-8
D23	D-8
D24	D-7
D25	D-8
D32	D-9
D33	D-8
D35	D-1
D36	D-5
E1	F-1
E2	F-5
E3	F-9
IC1	C-9
IC3	D-7
IC4	F-9
IC5	C-7
IC6	D-9
IC7	E-7
IC8	E-6
IC10	F-7
IC11	F-6
IC15	D-6
IC19	A-1
IC20	E-3
IC21	D-4
IC22	A-3
IC23	B-1
IC24	C-1
IC25	B-2
IC27	D-1
IC28	A-6
IC35	A-9
IC37	A-9
IC38	B-9
IC40	D-9
IC42	D-6
G201	F-9
G306	B-1
RV205	A-9
RV206	B-9
S201	F-1
S202	E-1
TP205	A-9
TP206	B-9
TP207	E-9
TP208	F-2
X201	F-5



DT-13 — COMPONENT SIDE —

1-622-580-12
 BVW-6SP BVW-9SP
 BVW-7SP
 BVW-8SP

DT-13; DYNAMIC TRACKING

622-580-12)

D-9

D-6

D-5

D-8

D-8

D-7

D-6

D-8

D-1

D-5

D-9

D-7

D-9

D-7

D-6

D-6

D-1

D-3

D-3

D-1

D-1

D-2

D-9

D-9

D-6

D-3

D-8

D-1

D-9

D-9

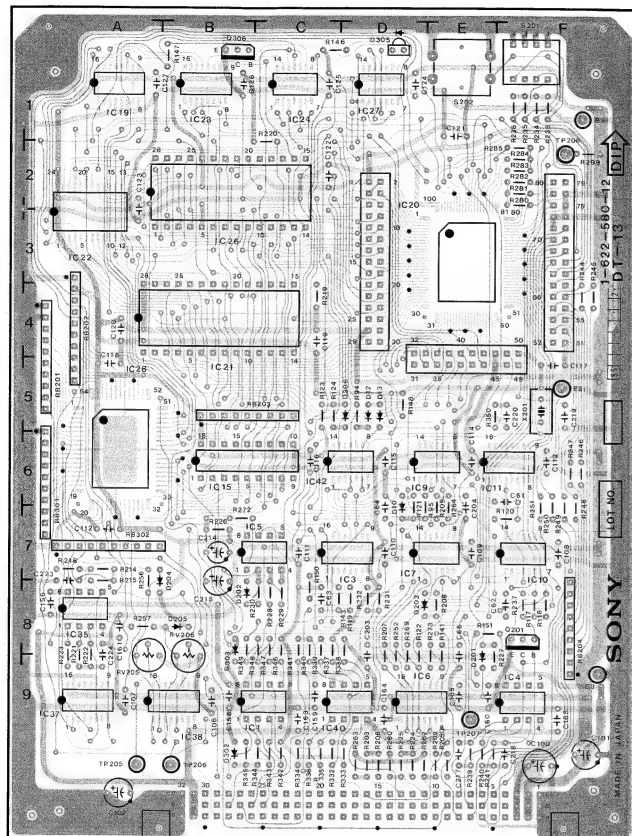
D-1

D-1

D-9

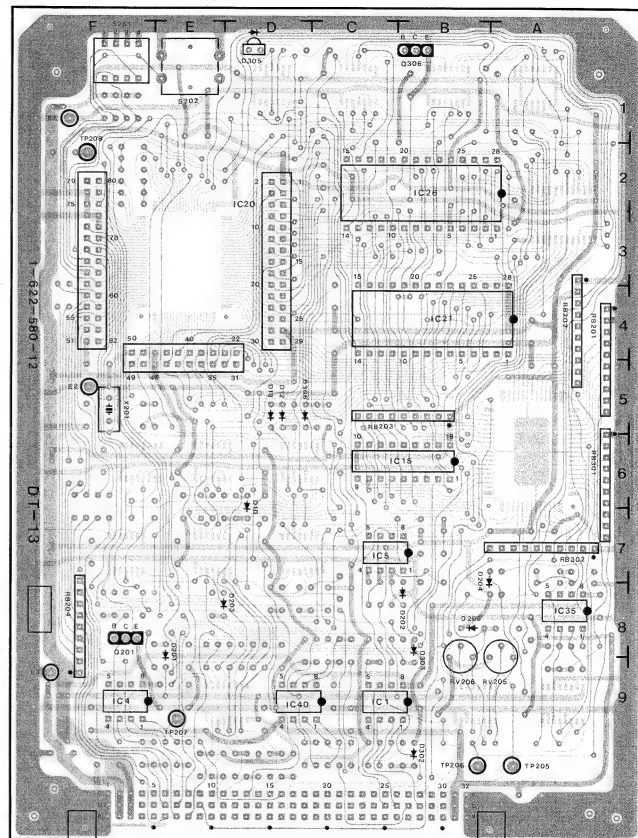
D-2

D-5



DT-13 — COMPONENT SIDE —

1-622-580-12
BVW-62P BVW-96P
BVW-75P
BVW-95P



DT-13 — SOLDERING SIDE —

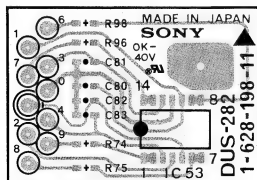
1-622-580-12
BVW-62P BVW-96P
BVW-75P
BVW-95P

DT-14P (1-622-581-11)

REF. No	TYPE	PIN NO.				
		+12V	+5V	GND	-12V	
IC 1	HD14538BP		16	8		
IC 2	TC540138P		14	7		4
IC 3	PC4558C	8				4
IC 4	PC4558C	8				4
IC 5	PC4558C	8				4
IC 6	PC4558C	8				4
IC 7	PC4558C	8				4
IC 8	PC4558C	8				4
IC 9	HD14538BP		16	8		
IC 10	HD14538BP		16	8		
IC 11	PC4558C	8				4
IC 12	TC4028P		14	7		
IC 13	TC4038BP		14	7		
IC 14	TC4011BP					4
IC 15	PC4558C	8				4
IC 16	PC4558C	8				4
IC 17	PC4558C	8				4
IC 18	PC4558C	8				4
IC 19	PC4558C	8				4
IC 20	PC4558C	8				4
IC 21	TC4058BP		16	8		
IC 22	TC4058BP		16	8		
IC 23	TC4058BP		16	8		
IC 24	TC540138P		14	7		4
IC 44	HD14538BP		16	8		
IC 45	TC4038BP		14	7		
IC 46	HD14538BP		16	8		
IC 47	TC540138P		14	7		4
IC 48	HD14538BP		16	8		
IC 50	TC4058BP		16	8		
IC 51	TC4058BP		16	8		
IC 101	CK20061			5		
IC 102	AK569	2	1			
IC 103	HA12411			4, 14, 16		
IC 104	BX3915A	10		2, 8		
IC 105	NJ4558P					4
IC 106	NJ4558P					4

DT-15 (1-622-558-12)

REF. No	TYPE	PIN NO.	
		+12V	-12V
IC 7	NJ4558P	8	4
IC 8	NJ4558P	8	4
IC 9	NJ4558P	8	4
IC 10	NJ4558P	8	4



DUS-282 — COMPONENT SIDE —

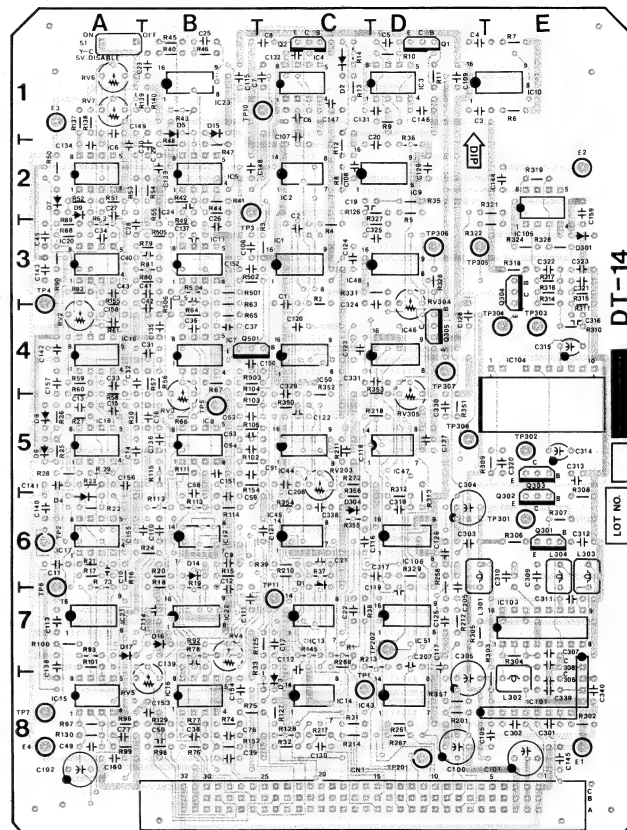
1-622-581-11
BVW-6SP BVW-9SP
BVW-7SP
BVW-6SP

DT-14P (1-622-581-11)

CN1	C-8	IC13	C-7	RV2	A-4
D1	C-6	IC14	C-8	RV3	B-5
D2	C-1	IC15	A-8	RV4	B-7
D3	C-8	IC16	B-8	RV5	B-8
D4	A-6	IC17	A-6	RV6	A-1
D5	A-5	IC18	A-5	RV7	A-1
D6	A-2	IC19	A-4	RV203	C-4
D7	A-5	IC20	A-3	RV304	C-4
D8	A-5	IC21	A-7	RV305	D-5
D9	A-2	IC22	B-7		
D14	B-6	IC23	B-1	S1	A-1
D15	B-1	IC43	D-8		
D16	B-7	IC44	C-5		
D17	A-7	IC45	C-6		
IC301	F-3	IC46	D-5		
IC304	C-6	IC47	D-2		
		IC48	D-2		
		IC50	C-4		
E1	E-8	IC51	D-8		
E2	E-2	IC101	E-8		
E3	A-1	IC102	E-8		
E4	A-8	IC103	E-7		
		IC104	E-5		
		IC105	E-2		
		IC106	D-6		
IC1	C-3	Q1	D-1		
IC2	C-2	Q2	C-1		
IC3	D-1	Q301	E-6		
IC4	C-1	Q302	E-6		
IC5	B-2	Q303	E-5		
IC6	A-2	Q304	D-2		
IC7	B-4	Q305	D-4		
IC8	B-5	Q306	D-5		
IC9	D-2	Q307	D-3		
IC10	E-1	Q308	D-4		
IC11	B-3				
IC12	B-6				

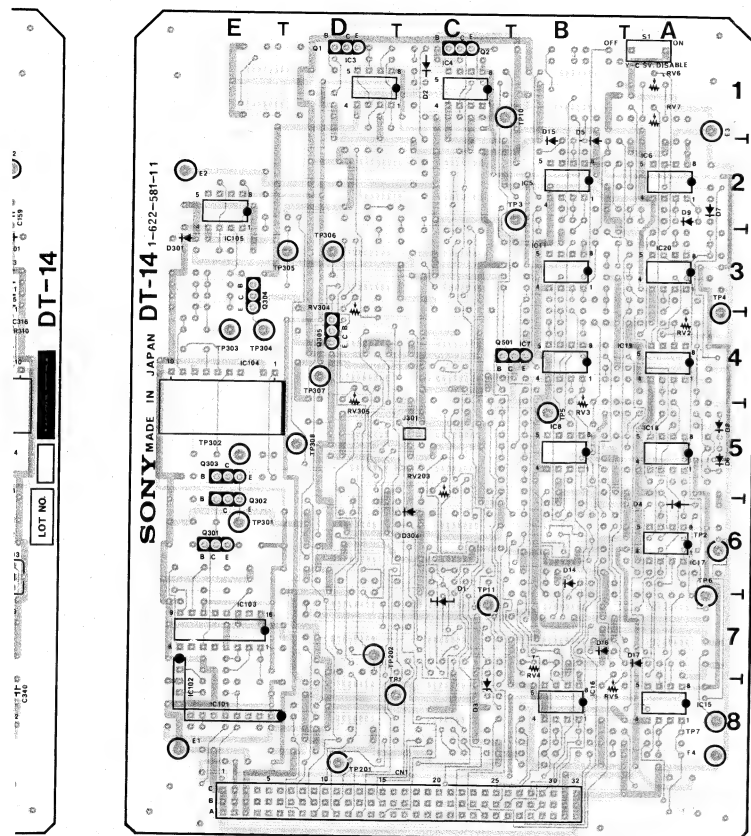
DT-15 (1-622-558-12)

CN611	D-1	IC7	D-1	RV2	A-2
CN612	D-2	IC8	D-2	T1	A-1
		IC9	D-2	TP8	A-1
		IC10	D-2	TP10	A-1
D1	A-1	Q1	A-1		
D2	A-2	Q2	A-1		
D3	A-2	Q3	A-1		
D4	B-2	Q4	D-1		
D5	B-2	Q5	D-1		
D6	B-2	Q6	D-1		
D7	D-1	Q7	D-1		
D8	D-1	Q8	D-1		
D9	D-2	Q9	C-1		
D10	A-2	Q10	C-1		
D11	A-2	Q11	D-1		
D12	D-1	Q12	D-2		
D13	D-2	Q13	D-2		
D14	A-1	Q14	D-2		
D15	D-2	Q15	C-2		
E1	B-1	Q16	C-2		
		Q17	C-2		

DT-14P; DYNAMIC TRACKING
DUS-282; STRAIN GAGE BUFFER
DT-15; DYNAMIC TRACKING

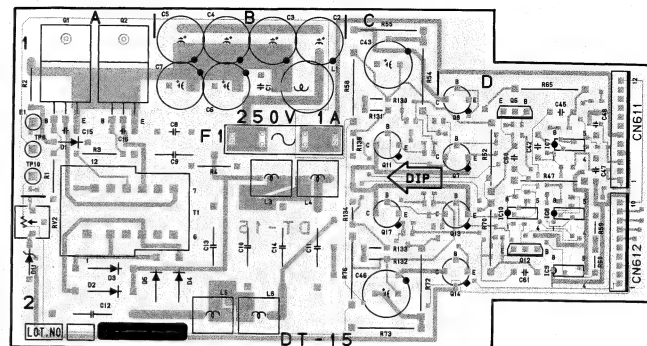
DT-14P — COMPONENT SIDE —

1-622-581-11
BVW-6SP BVW-9SP
BVW-7SP
BVW-6SP



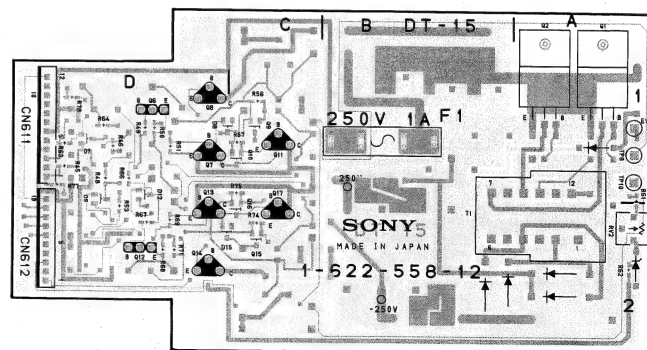
DT-14P — SOLDERING SIDE —

1-622-581-11
 BVW-65P BVW-96P
 BVW-75P
 BVW-95P



DT-15 — COMPONENT SIDE —

1-822-558-12
 BVW-65P BVW-66P
 BVW-75P
 BVW-95P



DT-15 — SOLDERING SIDE —

1-622-558-12
BVW-65P BVW-96P
BVW-75P
BVW-95P

SY-61/61A/61B/61C

SYSTEM CONTROL

NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC15 TC4053BP → TC4053BPH IC39 MB27C512-25 → MB27C512-25	S/N 11958 ~

SY-61/61A/61B/61C (1-622-577-14)

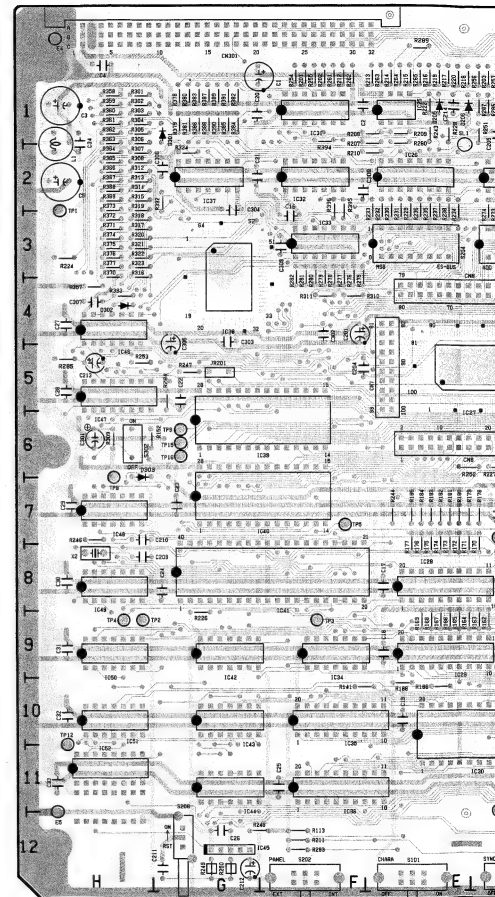
REF. NO.	TYPE	PIN NO.	
		+5V	GND
IC 1	SN74LS244N	20	10
IC 2	SN74LS245N	20	10
IC 3	SN74LS244N	20	10
IC 4	MM2212-25P	18	8
IC 5	CMK5816PN-12L	24	12
IC 6	MB27C512-25	28	14
IC 7	TPP284C011AF	27,51,90	28,50,77,100
IC 8	TC74HC04P	14	7
IC 9	MS4529AP	1,14	7
IC 10	TC74HC11P	14	7
IC 11	TC74HC13BP	16	8
IC 12	TC74HC13BP	16	8
IC 13	TC74HC14P	14	7
IC 14	TC4050BP	1	8
IC 15	TC4053BPH	16	7,8
IC 16	TC74HC595P	16	8
IC 17	TC74HC597P	16	8
IC 18	NJ74BL05A	•	3
IC 19	MB88303	22	11
IC 20	AM29LS30PC	1	4,5,8
IC 21	TC74HC157P	16	8
IC 22	TC74HC157P	16	8
IC 23	CMK5816PN-12L	24	12
IC 24	TC74HC04P	14	7
IC 25	NJMC293D	8	4
IC 26	MC34551P	16	8
IC 27	TPP284C011AF	27,51,90	28,50,77,100
IC 28	TC74HC245P	20	10
IC 29	TC74HC245P	20	10
IC 30	BU1843B	24	5
IC 31	MS4529AP	1,14	7
IC 32	MS4529AP	1,14	7
IC 33	TC4030BP	14	7
IC 34	TC74HC08P	14	7
IC 35	SN74LS97N	20	10
IC 36	SN74LS97N	20	10
IC 37	MS4529AP	1,14	7
IC 38	CD11059A	28,58	10,25,42,57
IC 39	MB27C512-25	28	14
IC 40	CMK5864PN-12L	28	14
IC 41	BU18440A	9	31
IC 42	TC74HC32P	14	7
IC 43	TC74HC32P	14	7
IC 44	TC74HC00P	14	7
IC 45	MS1958RL	1	3
IC 46	TC74HC08P	14	8
IC 47	MC145388CP	16	8
IC 48	μP040909BP	14	7
IC 49	MC74HC58N	14	7
IC 50	TC74HC32P	14	7
IC 51	TC74HC04P	14	7
IC 52	TC74HC13BP	14	7
IC 53	TC74HC02P	14	7

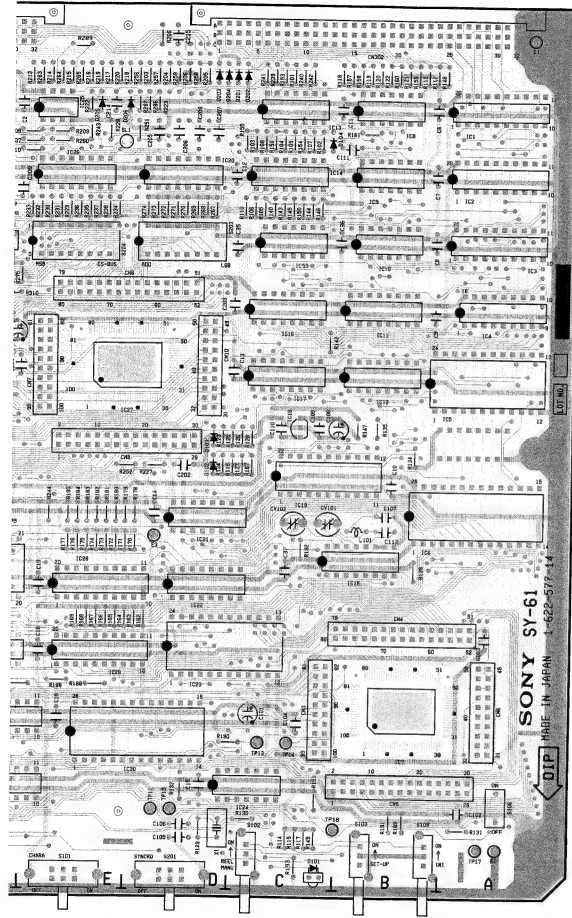
* REFER TO SCHEMATIC

SY-61/61A/61B/61C (1-622-577-14)

CR3	C-10	IC28	E-8
CR4	B-9	IC29	E-9
CR5	B-2	IC30	B-10
CR6	A-10	IC31	F-1
CR7	E-5	IC32	F-2
CR8	D-4	IC33	F-3
CR9	D-6	IC34	F-9
CR10	D-5	IC35	F-10
CR301	G-1	IC36	F-11
CR302	B-1	IC37	G-2
		IC38	G-4
CV101	C-7	IC39	F-6
CV102	C-7	IC40	F-7
		IC41	F-8
		IC42	C-12
		IC43	G-10
		IC44	G-11
		IC45	G-12
		IC46	H-4
		IC47	H-5
		IC48	H-7
		IC49	H-8
		IC50	H-9
		IC51	H-10
		IC52	H-11
		IC53	C-3
E1	A-1	S101	E-12
E2	A-12	S102	C-12
E3	D-7	S103	B-12
E4	B-1	S104	B-12
E5	H-12	S105	B-12
		S106	A-11
IC1	A-1	S201	D-12
IC2	A-2	S202	F-12
IC3	A-3	S203	D-3
IC4	A-4	S204	E-3
IC5	A-5	S205	G-12
IC6	A-7	S206	H-6
IC7	B-3	TP1	H-2
IC8	B-1	TP2	H-9
IC9	B-2	TP3	F-9
IC10	B-3	TP4	H-9
IC11	B-4	TP5	F-7
IC12	B-5	TP6	H-7
IC13	C-2	TP7	G-6
IC14	C-2	TP8	D-11
IC15	B-8	TP9	D-11
IC16	C-4	TP10	D-11
IC17	C-5	TP11	D-11
IC18	C-6	TP12	B-10
IC19	C-7	TP13	C-11
IC20	D-2	TP14	C-11
IC21	D-7	TP15	G-6
IC22	D-8	TP16	G-6
IC23	D-8	TP17	A-12
IC24	C-11	TP18	C-12
IC25	E-1		
IC26	E-2	X1	D-12
IC27	D-5	X2	H-8

	SY-61	SY-61A	SY-61B	SY-61C
BW-60P		○		
BW-65P		○		
BW-70P	○			
BW-75P	○			
BW-85P			○	
BW-95P				○

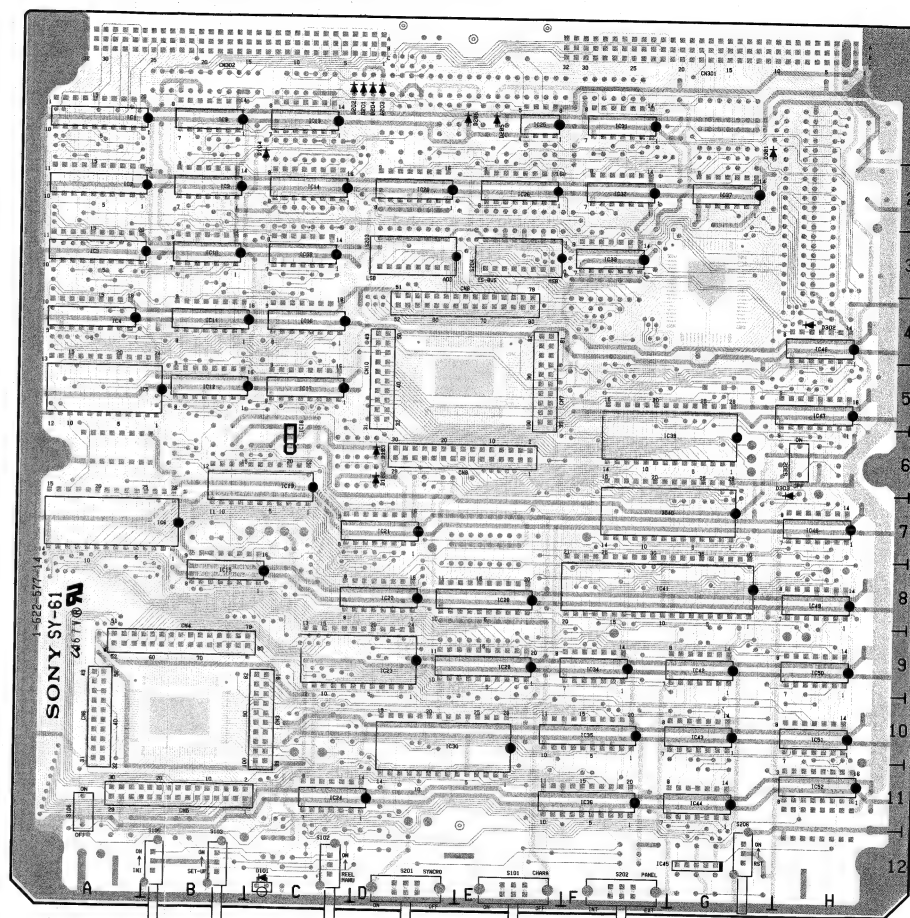




SY-61/61A/61B/61C — COMPONENT SIDE —

1-622-577-14
BVW-60P BVW-75P
BVW-65P BVW-65P
BVW-75P BVW-95P

17-181



SY-61/61A/61B/61C — SOLDERING SIDE —

1-622-577-14
BVW-60P BVW-75P
BVW-65P BVW-95P
BVW-75P

17-182

64P (1-622-578-14)

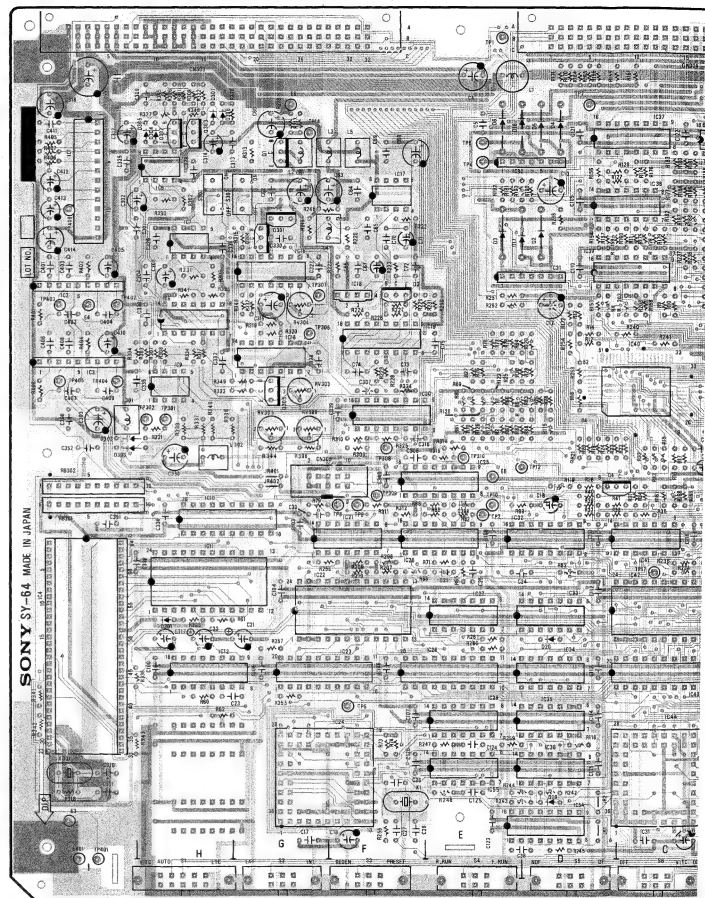
F.No.	TYPE	PIN NO.					
		UNREG +12V	UNREG +14V	+12V	+5V	GND	UNREG GND
1	BK-343			13			
2	LA7205				8	7	
3	LA7205				8	5	
4	#P0783120W-607				64	32	
5	TL082CP			8			4
6	TC4016RPHB				14	7	
7	TL082CP			8			4
8	TL082CP				8	4	
9	TL082CP				20	10	
10	SW74LS123N				24	12	
11	CX5816PW-12L						
12	HC140468CP				16	8	
15	TL084CN			4			11
16	TL084CN			4			11
17	TL082CP			4		4	
18	AN535P			2			
19	PA0009			4		6	
20	SN74LS123N				16	8	10
21	TC74HC04P				14	7	
22	CX5816PW-12L				24	12	
23	TC74HC244P				20	10	
24	CX-7907A				47.61	40.54	
25	SN74LS123N			1	16	8	
26	TC4050P					8	
27	TC74HC00P				14	7	
28	TC74HC245P				20	10	
29	TC74HC595N				14	4	
30	TA7267P			7		4	
31	TA7267P				16	4	
32	TC4538P				14	7	
33	TC74HC258P						
34	TC74HC32P				14	7	
35	TC4001BP				14	7	
36	#PD40138C				14	7	
37	MS4523P				14	7	4.5, 12, 13
38	TC74HC03P				1	8	
39	TC74HC4050P				14	7	
40	CX01055A				26.58	10.27, 42.57	
41	TC74HC03P				14	7	
42	CX5816PW-12L				24	12	
43	TC74HC240P				20	10	
44	CX-7913A				47.61	40.54	
45	MS4523P			9			8
46	CX01055A				26.58	10.27, 42.57	
47	CX01055A				26.58	10.27, 42.57	
48	TC74HC04P				14	7	
49	CX5816PW-12L				24	12	
50	TC74HC244P				20	10	
51	CX-7912A				47.61	40.54	
52	TC74HC4050P				1	8	
53	#PD40138C				14	7	
54	TC74HC4538P				16	8	
55	TC4071BP				14	7	

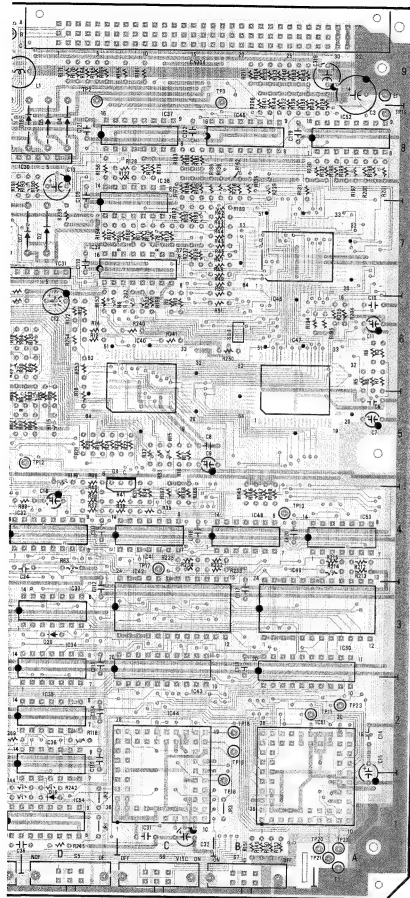
NOTE

MARK	CHANGE INFORMATION	SERIAL NO.
*1	LOG TC4016RPHB → TC4016RPHB	S/N 12548 ~

SY-64P (1-622-578-14)

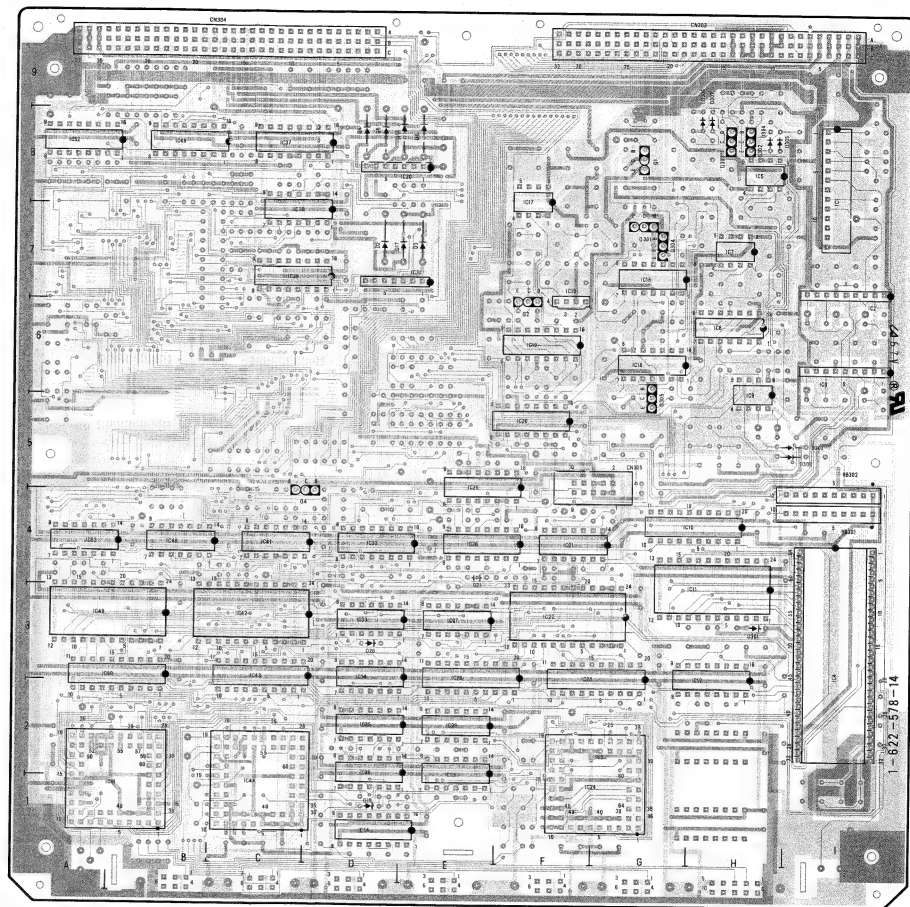
CX303	B-9	IC47	B-6
CX304	C-9	IC48	B-4
CX305	F-5	IC49	B-3
		IC50	B-1
D2	D-7	IC51	B-1
D3	E-7	IC52	A-8
D4	D-8	IC53	A-4
D5	D-8	IC54	D-1
D6	E-8	IC55	E-2
D17	D-7		
D19	D-1	G1	C-8
D20	D-3	G2	F-7
D21	E-4	G4	C-4
D16	H-1	G301	C-7
D301	H-8	G302	H-8
G302	I-5	G303	H-8
G303	I-5	G304	C-7
G304	H-8	G305	C-6
G305	H-8		
G306	H-8	RV303	G-5
G307	H-8	RV304	G-6
		RV305	G-5
		RV399	G-5
E1	A-9		
E2	I-1	S1	H-1
E3	A-1	S2	C-1
E4	I-6	S3	F-1
E5	E-5	S4	E-1
E6	G-8	S5	D-1
E401	I-1	S6	C-1
		S7	B-1
IC1	I-8	S301	H-8
IC2	I-7	S302	C-8
IC3	I-6		
IC4	I-3	SL1	B-6
IC5	H-8		
IC6	B-6		
IC7	H-7	TP2	E-9
IC9	H-6	TP3	B-9
IC10	H-4	TP4	E-8
IC11	H-4	TP5	E-8
IC12	H-3	TP6	E-8
IC13	C-7	TP7	E-2
IC15	G-6	TP7	E-4
IC16	G-6	TP8	F-4
IC17	F-8	TP9	F-4
IC18	F-7	TP9	F-4
IC19	F-6	TP10	F-4
IC20	F-5	TP11	B-2
IC21	F-4	TP12	B-5
IC22	F-3	TP13	B-4
IC23	F-3	TP14	B-2
IC24	F-2	TP15	B-2
IC25	E-5	TP16	B-1
IC26	E-4	TP17	C-4
IC27	E-3	TP18	B-2
IC28	E-3	TP19	A-8
IC29	E-2	TP20	A-1
IC30	D-8	TP21	A-1
IC31	D-7	TP22	A-1
IC32	D-2	TP23	A-2
IC33	D-3	TP301	H-5
IC34	D-5	TP302	H-5
IC35	D-2	TP306	G-6
IC36	D-2	TP307	C-7
IC37	C-8	TP308	F-5
IC38	C-7	TP309	F-4
IC39	D-2	TP310	E-5
IC40	C-6	TP401	I-1
IC41	C-4	TP402	I-6
IC42	I-6	TP403	I-6
IC43	C-3	TP404	I-6
IC44	C-2	TP405	I-6
IC45	B-8	TP406	I-7
IC46	B-7		

X1 F-1
X301 I-2



SY-64P — COMPONENT SIDE —
1-822-578-14
BVW-70P
BVW-70P
BVW-96P

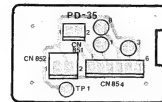
17-189



SY-64P — SOLDERING SIDE —
1-822-578-14
BVW-70P
BVW-70P
BVW-96P

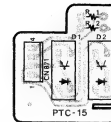
17-190

PD-35; PINCH/CLEANING SOLENOID
 PTC-15; THREAD/UNTHREAD END SENSOR
 RM-57; REMOTE CONNECTOR
 CL-14; CASSETTE-UP COMPARTMENT
 PC-33; CASSETTE DOWN DETECTOR
 PC-41; CASSETTE IN DETECTOR
 PC-47; LARGE/SMALL CASSETTE DETECTOR
 CCM-2; UP/DOWN MOTOR
 HC-11; HOURS METER



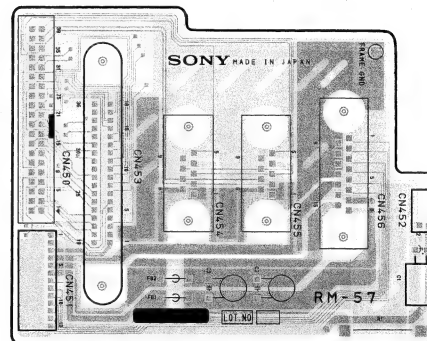
PD-35 — COMPONENT SIDE —

1-625-590-11
 BVW-60P BVW-75P
 BVW-65P BVW-66P
 BVW-70P BVW-66P



PTC-15 — COMPONENT SIDE —

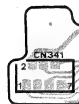
1-625-597-11
 BVW-60P BVW-75P
 BVW-65P BVW-66P
 BVW-70P BVW-66P



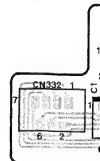
RM-57 — COMPONENT SIDE —

1-624-153-11
 BVW-60P BVW-75P
 BVW-65P BVW-66P
 BVW-70P BVW-66P

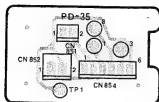
CCM-2
 1-625-196-11
 BVW-60P BV
 BVW-65P
 BVW-70P



PC-47
 1-625-786-11
 BVW-60P BV
 BVW-65P
 BVW-70P

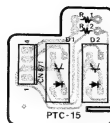


PD-35; PINCH/CLEANING SOLENOID
 PTC-15; THREAD/UNTREAD END SENSOR
 RM-57; REMOTE CONNECTOR
 CL-14; CASSETTE-UP COMPARTMENT
 PC-33; CASSETTE DOWN DETECTOR
 PC-41; CASSETTE IN DETECTOR
 PC-47; LARGE/SMALL CASSETTE DETECTOR
 CCM-2; UP/DOWN MOTOR
 HC-11; HOURS METER



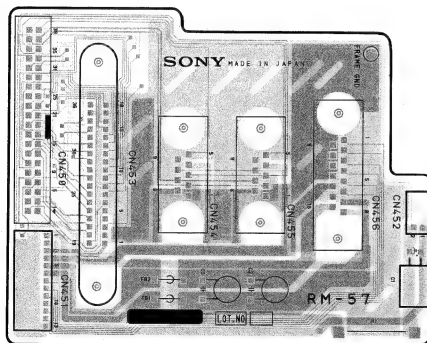
PD-35 — COMPONENT SIDE —

1-622-596-11
 BVW-60P BVW-75P
 BVW-65P BVW-96P
 BVW-70P BVW-96P



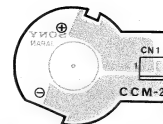
PTC-15 — COMPONENT SIDE —

1-622-597-11
 BVW-60P BVW-75P
 BVW-65P BVW-96P
 BVW-70P BVW-96P



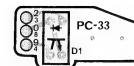
RM-57 — COMPONENT SIDE —

1-624-153-11
 BVW-60P BVW-75P
 BVW-65P BVW-96P
 BVW-70P BVW-96P



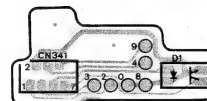
CCM-2 — COMPONENT SIDE —

1-623-198-11
 BVW-60P BVW-75P
 BVW-65P BVW-96P
 BVW-70P BVW-96P



PC-33 — COMPONENT SIDE —

1-622-604-12
 BVW-60P BVW-75P
 BVW-65P BVW-96P
 BVW-70P BVW-96P



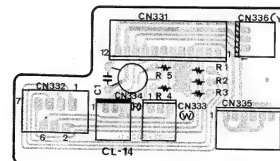
PC-47 — COMPONENT SIDE —

1-628-786-11
 BVW-60P BVW-75P
 BVW-65P BVW-96P
 BVW-70P BVW-96P



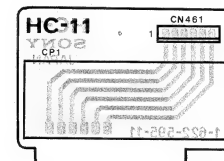
PC-41 — COMPONENT SIDE —

1-623-267-11
 BVW-60P BVW-75P
 BVW-65P BVW-96P
 BVW-70P BVW-96P



CL-14 — COMPONENT SIDE —

1-622-602-11
 BVW-60P BVW-75P
 BVW-65P BVW-96P
 BVW-70P BVW-96P



HC-11 — COMPONENT SIDE —

1-622-596-11
 BVW-60P BVW-75P
 BVW-65P BVW-96P
 BVW-70P BVW-96P

KY-96/96A (1-622-553-12)

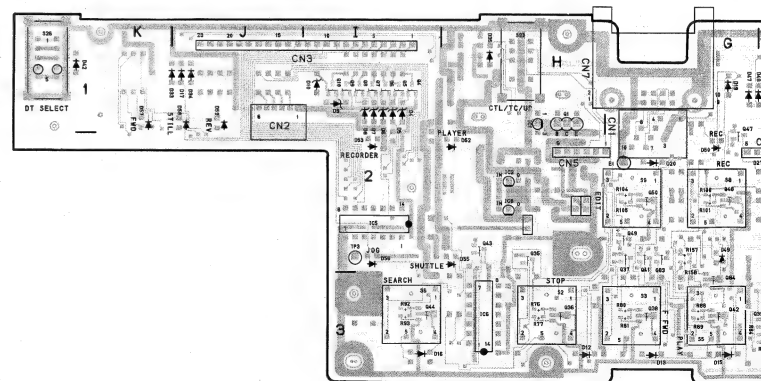
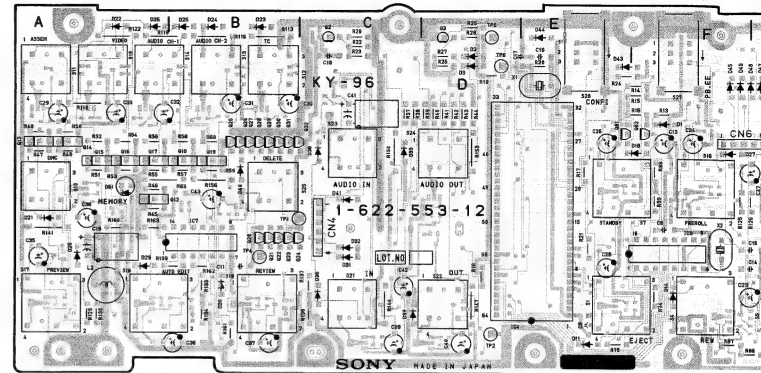
REF. NO.	TYPE	PIN NO.		
		+5V	+5V	GND
IC 1	MS236L	*	*	2
IC 2	TAT8L005AP	*	*	3
IC 3	H089201H-530W	*	10	8
IC 4	M50747H-601SP	*	1	27,32
IC 5	M54516P	*	*	7
IC 6	M54516P	*	*	7
IC 7	M54516P	*	*	7
IC 8	TAT8L005AP	*	*	3

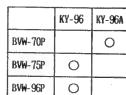
* REFER TO SCHEMATIC

KY-96/96A (1-622-553-12)

CN1	G-1	048	F-1	034	F-3	S1	F-3
CN2	J-1	049	G-2	035	H-2	S2	H-3
CN3	I-1	050	G-2	036	H-3	S3	G-3
CN4	C-2	051	A-2	037	G-2	S4	F-3
CN5	H-2	052	H-2	038	G-3	S5	G-3
CN6	F-2	053	I-2	039	F-3	S6	I-3
CN7	G-1	055	H-2	040	F-3	S7	E-2
		056	I-2	041	G-2	S8	G-2
D1	F-1	057	K-1	042	G-3	S9	G-2
D2	D-1	058	J-1	043	F-2	S10	A-2
D3	D-1	059	J-1	044	A-3	S11	A-1
D4	I-1			045	E-2	S12	B-1
D5	I-1	F1	G-2	046	E-2	S13	B-1
D6	I-1			047	G-1	S14	A-1
D7	I-1	IC1	H-1	048	G-2	S15	A-1
D8	I-1	IC2	H-2	049	G-2	S16	F-2
D9	I-1	IC3	F-2	050	G-2	S17	A-3
D10	I-1	IC4	F-2	051	A-1	S18	A-3
D11	F-3	IC5	I-2	052	A-1	S19	B-3
D12	H-3	IC6	H-3	053	B-1	S20	H-1
D13	B-3	IC7	B-2	054	B-1	S21	C-3
D14	F-3	IC8	H-2	055	B-1	S22	D-3
D15	G-3			056	B-1	S23	C-2
D16	I-3	01	H-1	057	B-1	S24	D-2
D17	J-1	02	C-1	058	A-1	S25	B-2
D18	F-2	03	A-1	059	A-1	S26	K-1
D19	G-2	04	I-1	060	A-1	S27	F-1
D20	G-2	05	F-1	061	F-1	S28	E-1
D21	A-2	06	I-1	062	F-2	TP1	B-2
D22	A-1	07	I-1	063	A-2	TP2	D-3
D23	B-1	08	I-1	064	A-3	TP3	I-2
D24	B-1	09	I-1	065	B-3	TP4	B-2
D25	B-1	010	I-1	066	A-3	TP5	D-1
D26	A-1	012	A-2	067	B-3	TP6	D-1
D27	F-2	013	A-2	068	B-3		
D28	A-2	014	A-2	069	A-2	X1	F-1
D29	A-3	015	A-2	070	A-2	X2	F-2
D30	B-3	016	A-2	071	C-3		
D31	C-2	017	A-2	072	C-3		
D32	C-2	018	B-2	073	D-3		
D33	J-1	019	B-2	074	D-3		
D34	J-1	020	B-2	075	C-1		
D35	H-1	021	B-2	076	C-1		
D36	C-3	022	B-2	077	D-2		
D37	C-3	023	B-2	078	D-2		
D38	C-2	024	C-2	079	B-2		
D39	C-2	025	B-2	080	B-2		
D40	B-2	026	B-2	081	B-2		
D41	C-2	027	B-2	082	F-2		
D42	K-1	028	B-2	083	G-2		
D43	F-1	029	B-2	084	G-3		
D44	F-1	030	B-2				
D45	F-1	031	B-2				
D46	F-1	032	C-2				
D47	G-1	033	E-2				

KY-96/96A; KEYBOARD
KY-107; KEYBOARD
KY-108; KEYBOARD
DP-71; TIME COUNTER DISPLAY
PTC-32; SEARCH DIAL
PT-9; POWER TRANSISTOR





TC-40P; LTC REC/PB AMPLIFIER, ERASE DRIVER

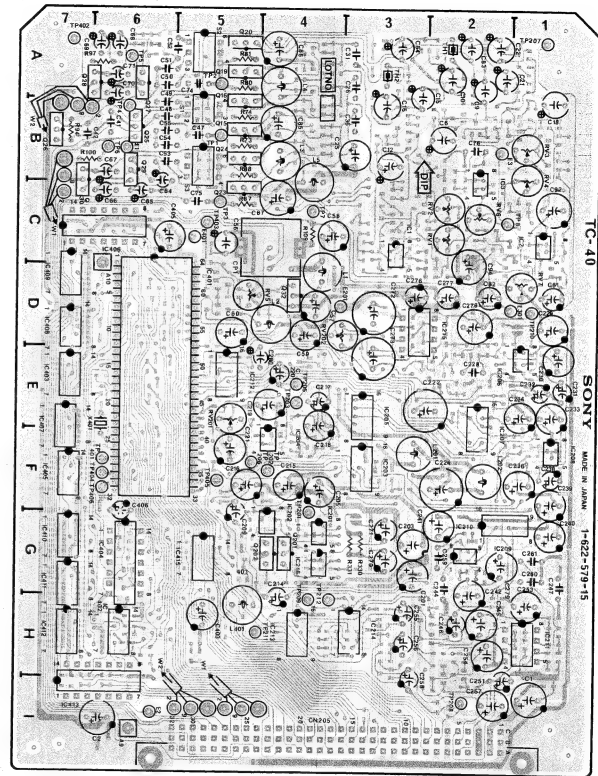
TC-40P (1-622-579-15)

REF. No.	TYPE	PIN NO.				
		+12V	+5V	CHD	-5V	-12V
IC 1	NUM4500M	8				4
IC 2	NUM4500M	8				4
IC 3	NUM4500M	8				4
IC 201	NUM4500M	8				4
IC 202	NUM4500M	8				4
IC 203	TC40538FHB	16	8	4	7	
IC 204	NUM4500M	8				4
IC 205	TC40529F	16	8	4	7	
IC 206	NUM4500M	8				4
IC 207	TC40529F	16	8	4	7	
IC 208	NUM4500M	8				4
IC 209	TC40538FHB	16	8	4	7	
IC 210	NUM4500M	8				4
IC 211	NUM4500M-D	8				4
IC 212	TC40538F	16	8	4	7	
IC 213	TC40529F	16	8	4	7	
IC 214	TC407138F	16	8	4	7	
IC 215	NUM4500M	8				4
IC 216	NUM4500M	8				4
IC 401	HR8632-190M	64	32	7		
IC 402	BU43848FP	14				
IC 403	TC40639BF	14	7			
IC 404	SN74LS06N	14	7			
IC 405	TC40639BF	14	7			
IC 406	RS4529AP	14	7			
IC 407	TC4011BF	14	7			
IC 408	TC4011BF	14	7			
IC 409	TC4011BF	14	7			
IC 410	TC5040138F	14	7			
IC 411	TC5040138F	14	7			
IC 412	TC5040138F	14	7			
IC 413	SN74LS06N	14	7			
IC 415	TC40639BF	14	7			

* REFER TO SCHEMATIC

TC-40P (1-622-579-15)

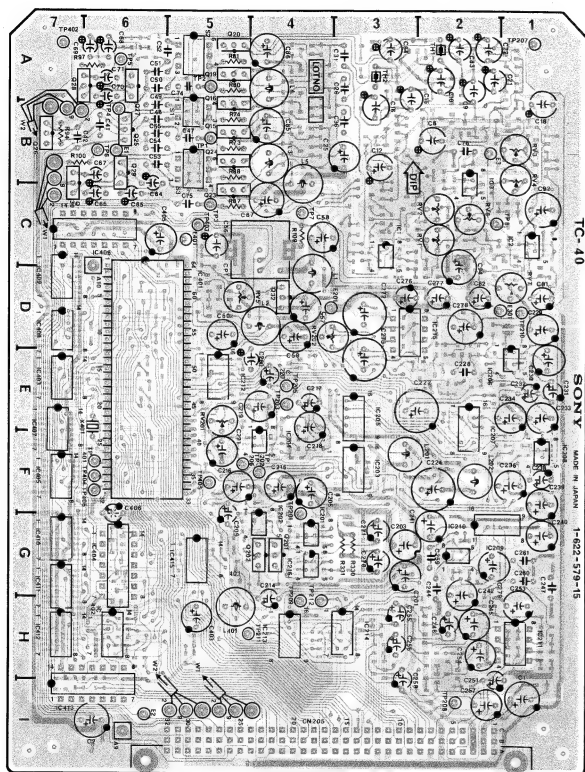
CM205	I-4	IC207	E-2	89	A-1	G202	G-3	TR1	A-2
		IC208	E-1	910	B-1	G203	H-3	TR2	A-3
CP1	C-4	IC209	F-2	911	B-1	G204	H-3		
		IC210	G-2	912	A-2	G205	G-5	TP1	B-5
D1	B-3	IC211	H-1	913	B-4	G206	H-2	TP2	A-5
D2	B-2	IC212	E-5	914	B-4	G207	H-2	TP3	C-5
D3	B-1	IC213	B-4	915	B-5	G208	H-2	TP4	B-6
D4	D-1	IC214	H-3	916	A-5	G209	H-2	TP5	A-6
D5	D-2	IC215	D-4	917	A-4	G210	H-2	TP6	B-6
D203	G-4	IC216	G-4	918	A-4	G211	F-2	TP7	F-4
D204	G-4	IC217	D-5	919	A-5	G212	C-2	TP8	C-2
D205	F-4	IC218	E-7	920	A-5	G213	C-2	TP201	F-4
D206	F-4	IC219	F-7	921	B-4	G214	F-4	TP202	F-4
D207	E-1	IC220	G-6	922	B-4	G215	E-2	TP203	E-4
D401	D-6	IC221	E-1	923	B-5	G401	G-5	TP205	D-4
D403	G-5	IC222	C-6	924	B-5	G402	G-5	TP206	F-5
		IC223	E-7	925	B-6			TP207	A-1
E1	B-6	IC224	D-7	926	B-7	RV1	C-2	TP208	I-2
E2	I-6	IC225	D-7	927	A-6	RV2	C-2	TP209	H-4
E3	B-2	IC226	A-7	928	A-7	RV3	A-1	TP210	D-1
E201	D-3	IC227	E-7	929	B-6	RV4	B-1	TP211	H-4
E301	C-3	IC228	H-7	930	B-7	RV5	D-5	TP212	H-4
E401	C-5	IC229	H-7	931	D-5	RV6	C-2	TP401	F-6
		IC230	H-7	932	C-4	RV7	D-1	TP402	A-7
		IC231	H-7	933	D-5	RV201	E-5	TP403	C-5
		IC232	H-7	934	D-5	RV202	D-4	TP404	F-6
		IC233	H-7	935	D-1			TP405	F-5
		IC234	H-7	936	D-1	S1	A-5	TP406	F-6
		IC235	H-7	937	C-1	S2	A-5		
		IC236	H-7	938	C-5	S3	B-5		
		IC237	H-7	939	C-2				
		IC238	H-7	940	C-3	SL201	G-3		
		IC239	H-7	941	G-3	SL202	D-1		



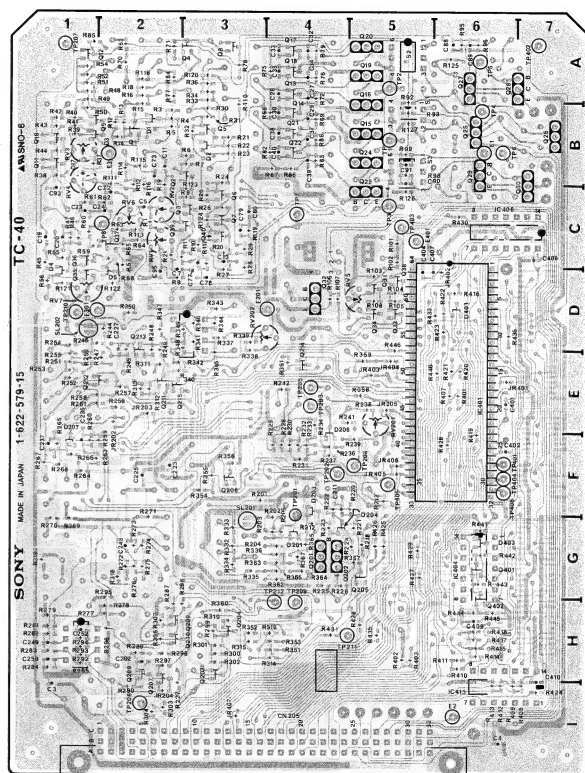
TC-40P — COMPONENT SIDE —

1-622-579-15
BVW-TOP
BVW-BSP
BVW-SEP

TC-40P; LTC REC/PB AMPLIFIER, ERASE DRIVER



TC-40P — COMPONENT SIDE —
1-822-579-15
BVW-70P
BVW-75P
BVW-96P



TC-40P — SOLDERING SIDE —
1-622-579-15
BVW-70P
BVW-75P
BVW-96P

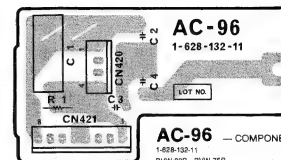
AC-96 ; RELAY BOARD OF AC INLET

C1 ; SWITCHING REGULATOR

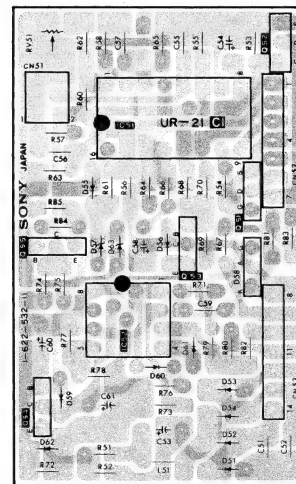
C2 ; SWITCHING REGULATOR

M1 ; SWITCHING REGULATOR

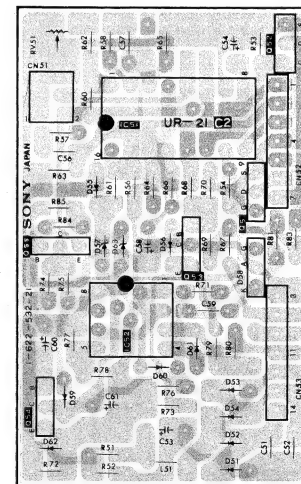
M2 ; SWITCHING REGULATOR



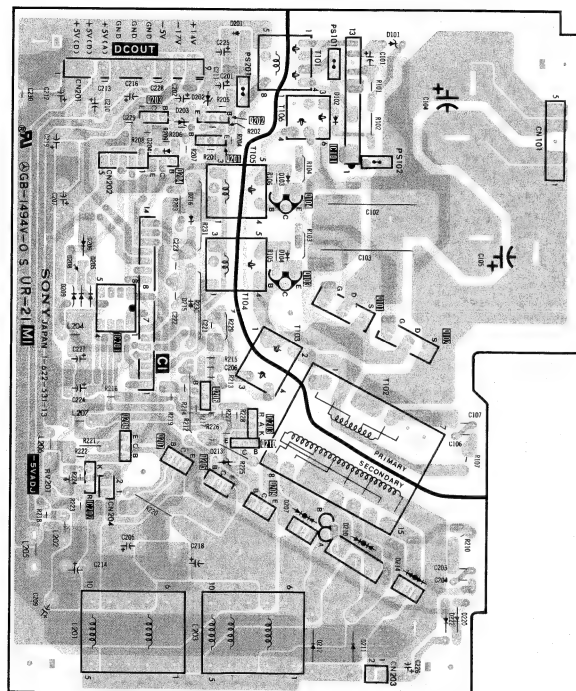
1-628-132-11
BVW-60P BVW-75P
BVW-60P BVW-65P
BVW-70P BVW-65P



1-628-132-11
BVW-60P BVW-75P
BVW-60P BVW-65P
BVW-70P BVW-65P



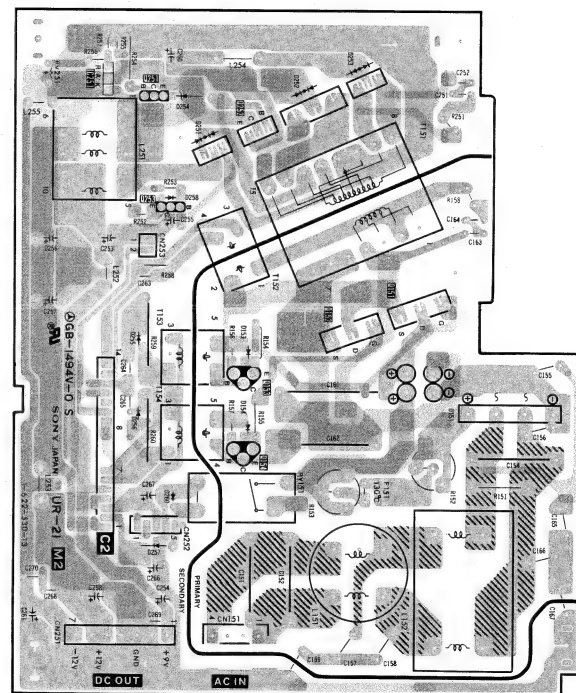
1-628-132-11
BVW-60P BVW-75P
BVW-60P BVW-65P
BVW-70P BVW-65P



UR-21B, M1 — SOLDERING SIDE —

1-622-531-13
 BVW-60P BVW-75P
 BVW-60P BVW-65P
 BVW-75P BVW-95P

17-217

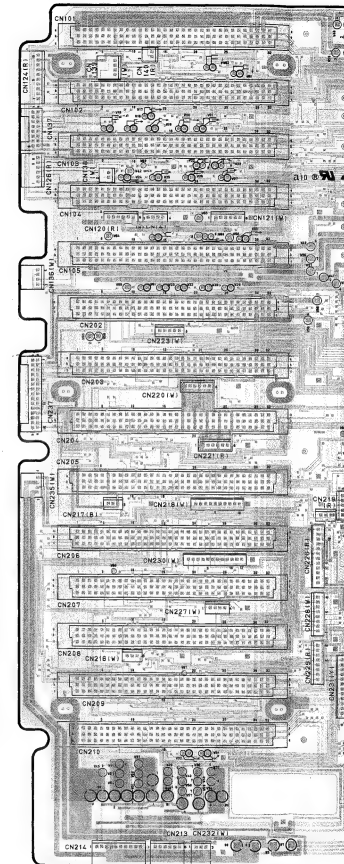


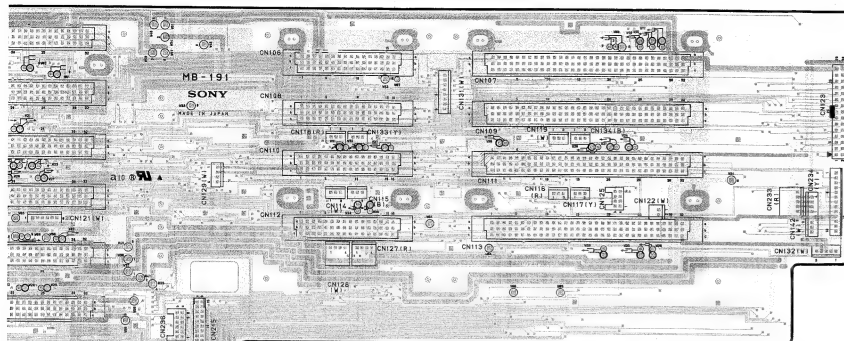
UR-21B, M2 — SOLDERING SIDE —

1-622-530-13
 BVW-60P BVW-75P
 BVW-65P BVW-65P
 BVW-75P BVW-95P

17-218

MB-191/191A/191B/191C; MOTHER BOARD
MB-192; MOTHER BOARD

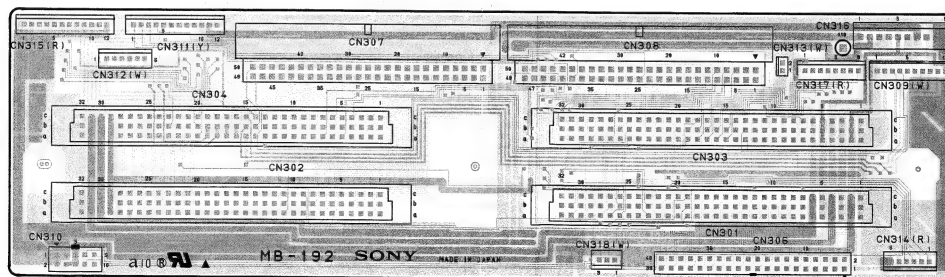




MB-191/191A/191B/191C — SOLDERING SIDE —

1-854-047-11, 12
 BVW-6SP BVW-7SP
 BVW-6SP BVW-6SP
 BVW-7SP BVW-6SP

	MB-191	MB-191A	MB-191B	MB-191C
BVW-6SP				○
BVW-6SP			○	
BVW-7SP	○			
BVW-6SP			○	
BVW-6SP	○			



MB-192 — SOLDERING SIDE —

1-854-152-11, 12
 BVW-6SP BVW-7SP
 BVW-6SP BVW-6SP
 BVW-7SP BVW-6SP

SECTION 18 SEMICONDUCTOR ELECTRODES

ICs, transistors and diodes whose functions are equivalent are described here. Therefore, incompatible device names may be described together. For parts replacement, refer to the Spare Parts section in this manual.

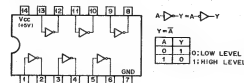
IC	PAGE	IC	PAGE	IC	PAGE
74F04PC.....	18-4	CXA1041M.....	18-21	MSL917RS.....	18-37
74F74PC.....	18-4	CXA1096M.....	18-21	MSM5204ARS.....	18-37
AM261S30PC.....	18-4	CXD1022CQ.....	18-22	NES532P.....	18-38
AN3920K.....	18-4	CXD1023AQ.....	18-23	NUM082M.....	18-38
AN3922NK.....	18-5	CXD1024Q.....	18-24	NUM149M.....	18-38
AN607P.....	18-5	CXD1045Q.....	18-25	NUM2041M-D.....	18-38
AN608P.....	18-5	CXD1095Q.....	18-26	NUM2043DD.....	18-38
		CXD1131Q.....	18-27	NUM2043M-D.....	18-38
		CXK1202S.....	18-27	NUM2903M.....	18-38
BUL8430A.....	18-5	CXK5816M-12L.....	18-28	NUM2903M.....	18-38
BUL8440A.....	18-6			NUM4556D.....	18-38
EX1098.....	18-6	HA12411.....	18-29	NUM4558D.....	18-38
EX1152.....	18-6	HD14538BFP.....	18-29	NUM4558D-FA.....	18-38
EX1343A.....	18-6	HD14584BFP.....	18-29	NUM4558M.....	18-38
EX1460.....	18-6			NUM4560DD.....	18-38
EX1461.....	18-7	M50747-XXXXSP.....	18-30	NUM4560M.....	18-38
EX1464.....	18-7	M51958BL.....	18-30	NUM4562D-D.....	18-38
EX343.....	18-7	M5215L.....	18-30	NUM5532M.....	18-39
EX365A.....	18-7	M5236L.....	18-30	NUM78??A.....	18-39
EX381.....	18-7	M54516P.....	18-30	NUM78L77A.....	18-39
EX3914.....	18-7	M54523P.....	18-31	NUM78M77A.....	18-39
EX3915A.....	18-7	M54529AP.....	18-31	NUM79L77A.....	18-39
		M54532P.....	18-31	NUM79M77A.....	18-39
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CX20061.....	18-8	MB40778P.....	18-31	PA0009.....	18-40
CX20099.....	18-8	MB88201H-539N.....	18-31	S-802??.....	18-40
CX20111.....	18-8	MB88303.....	18-32	S-805??.....	18-40
CX20158.....	18-9	MB88515B-280M.....	18-33	SBX4001-01.....	18-40
CX20162.....	18-9	MB88525.....	18-34	SBX4002-01.....	18-7
CX22013.....	18-9	MBM2212-25P.....	18-35	SNL6913P.....	18-41
CX22017.....	18-9	MBM2764-25.....	18-35	SN74HC08NS.....	18-41
CX23028.....	18-10	MBM27C256-25.....	18-35	SN74HC161NS.....	18-41
CX23065.....	18-10	MC10198L.....	18-36	SN74HC193NS.....	18-42
CX23084.....	18-11	MC10H113M.....	18-36	SN74HC240NS.....	18-42
CX770.....	18-11	MC10H116M.....	18-36	SN74HC245NS.....	18-42
CX7907A.....	18-12	MC10H124M.....	18-36	SN74HC32NS.....	18-42
CX7912A.....	18-14	MC10H125M.....	18-36	SN74HC368NS.....	18-42
CX7913A.....	18-16	MC10H131M.....	18-36	SN74HC373.....	18-43
CX7930A.....	18-18			SN74HC373NS.....	18-43
CX7993A.....	18-19	MC14046BCP.....	18-36	SN74HC4024NS.....	18-43
CX7998.....	18-20	MC14538BCP.....	18-29	SN74HC4040NS.....	18-43
CX877.....	18-20	MC14557BF.....	18-37	SN74LS00NS.....	18-43
CXA1020P.....	18-20	MC34051P.....	18-37	SN74LS04NS.....	18-44
CXA1039M.....	18-21	MC74HCL1F.....	18-37	SN74LS06N.....	18-43
CXA1040M.....	18-21	MC74HC58N.....	18-37		

SEMICONDUCTOR INDEX

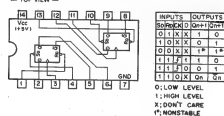
IC	PAGE	IC	PAGE	IC	PAGE
SN74LS06NS.....	18-43	TC74HC02P.....	18-49	uPC1663G.....	18-56
SN74LS11NS.....	18-43	TC74HC04F.....	18-49	uPC311G2.....	18-56
SN74LS123N.....	18-44	TC74HC04P.....	18-49	uPC319G2.....	18-56
SN74LS123NS.....	18-44	TC74HC08F.....	18-41	uPC324C.....	18-56
SN74LS163ANS.....	18-44	TC74HC08P.....	18-41	uPC339C.....	18-56
SN74LS164NS.....	18-44	TC74HCL1P.....	18-37	uPC339G2.....	18-56
SN74LS221NS.....	18-44	TC74HCL23F.....	18-50	uPC393G2.....	18-38
SN74LS244N.....	18-44	TC74HCL38F.....	18-50	uPC4558C.....	18-57
SN74LS245N.....	18-45	TC74HCL38P.....	18-50	uPC648C.....	18-57
SN74LS683NS.....	18-45	TC74HCL39F.....	18-50	uPC7977H.....	18-57
SN74LS697N.....	18-45	TC74HCL39P.....	18-50	uPD4013BC.....	18-57
SN74LS74ANS.....	18-45	TC74HCL4F.....	18-50	uPD71054G.....	18-57
SN75107AN.....	18-45	TC74HCL4P.....	18-50	uPD74HC02C.....	18-49
		TC74HCL57P.....	18-50	uPD78310CW.....	18-58
TA7267P.....	18-46	TC74HCL60F.....	18-50	uPD78312CW.....	18-59
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TA78L??AP.....	18-46	TC74HCL74F.....	18-51		
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TC4001BP.....	18-46	TC74HC221F.....	18-51		
TC4009UBP.....	18-46	TC74HC240P.....	18-51		
TC4011BF.....	18-46	TC74HC244F.....	18-51		
TC4016BP.....	18-47	TC74HC244P.....	18-51		
TC4023BF.....	18-47	TC74HC245P.....	18-42		
TC4024BF.....	18-47	TC74HC27F.....	18-52		
TC4028BF.....	18-47	TC74HC32F.....	18-42		
TC4030BF.....	18-47	TC74HC32P.....	18-42		
TC4030BP.....	18-47	TC74HC4049F.....	18-52		
TC4050BF.....	18-47	TC74HC4050F.....	18-52		
TC4050BP.....	18-47	TC74HC4050P.....	18-52		
TC4051BF.....	18-48	TC74HC4538P.....	18-52		
TC4052BF.....	18-48	TC74HC595P.....	18-53		
TC4053BF.....	18-48	TC74HC597P.....	18-53		
TC4053BP.....	18-48	TC74HC74F.....	18-53		
TC4066BF.....	18-48	TC74HC86F.....	18-53		
TC4069UBP.....	18-48	TC74HC004F.....	18-49		
TC4069UBP.....	18-48	TC74HC004P.....	18-49		
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TC4071BP.....	18-48				
TC4075BF.....	18-48	TL082CP.....	18-53		
TC4081BF.....	18-48	TL082CPS.....	18-53		
TC40H00P.....	18-49	TL084CN.....	18-53		
TC40H032P.....	18-49	TL084CNS.....	18-53		
TC40H139F.....	18-49	TLA31CLPB.....	18-53		
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2SA1115A.....	18-60	DTA114TK.....	18-61	1S2076.....	18-62
2SA1122.....	18-60	DTA124EK.....	18-61	1S2835.....	18-62
2SA1141.....	18-60	DTA124ES.....	18-61	1S2837.....	18-62
2SA1156.....	18-60	DTA124XS.....	18-61	1SS119.....	18-62
2SA1162.....	18-60	DTA144EF.....	18-61	1SS123.....	18-62
2SA1175.....	18-60	DTA144EK.....	18-61	1SS97.....	18-62
2SA1226.....	18-60			1SS99.....	18-62
2SA473.....	18-60	DTB123EK.....	18-61	ERB44-??.....	18-62
2SA733.....	18-60			FC51M.....	18-62
2SA768.....	18-60	DTCL24EK.....	18-61	FC54M.....	18-62
2SA812.....	18-60	DTCL24ES.....	18-61	GL-5HD5.....	18-62
2SA844.....	18-60	DTCL24XS.....	18-61	GP-1152.....	18-62
2SA911.....	18-60	DTCL44EF.....	18-61	GP-1153.....	18-62
		DTCL44EK.....	18-61	LP-402VK.....	18-62
2SB1115A.....	18-60	DTCL44WK.....	18-61	LN25RP.....	18-62
2SB553.....	18-60			HZ7A7L.....	18-62
2SB649A.....	18-60	TX429M.....	18-61	HZ7ALL.....	18-62
2SB733.....	18-60			HZ7C7L.....	18-62
2SB734.....	18-60			RD77MB.....	18-62
2SB822.....	18-60			TLG255.....	18-62
				TLP801A.....	18-62
2SC1173.....	18-60			TLUG154.....	18-62
2SC1310.....	18-60			TLUR144.....	18-62
2SC1623.....	18-60			TLY255.....	18-62
2SC1762.....	18-60				
2SC2223.....	18-60				
2SC2259.....	18-60				
2SC2458.....	18-60				
2SC2603.....	18-60				
2SC2654.....	18-60				
2SC2712.....	18-60				
2SC2754.....	18-60				
2SC2757.....	18-60				
2SC2785.....	18-60				
2SC2878.....	18-60				
2SC2901.....	18-60				
2SC3012.....	18-60				
2SC3064.....	18-60				
2SC3326N.....	18-60				
2SC403SP.....	18-60				
2SC634SP.....	18-60				
2SD1055.....	18-60				
2SD1615A.....	18-60				
2SD669A.....	18-60				
2SD773.....	18-60				
2SD774.....	18-60				
2SD999.....	18-61				
2SK209.....	18-61				
2SK389.....	18-61				
2SK94.....	18-61				

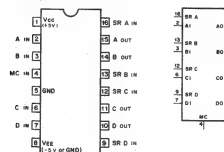
74F04PC (FSC) .
SN74LS04NS (TI) FLAT PACKAGE
TTL INVERTER
— TOP VIEW —



74F74PC (FSC)
SN74LS74ANS (TI) FLAT PACKAGE
TTL D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —

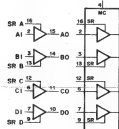


AM26LS30PC (ADVANCED MICRO DEVICES)
LINE DRIVER
— TOP VIEW —



MC : MODE CONTROL
SR : SLEW RATE CONTROL

MC = 1



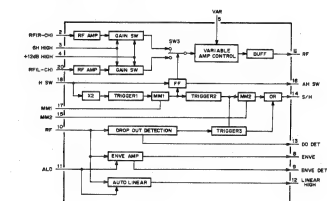
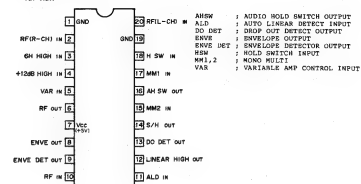
INPUTS		OUTPUTS	
MC	A TO D	A TO D	D
1	0	0	
1	1	1	

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE
H-Z: HIGH IMPEDANCE

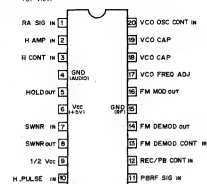
0: LOW LEVEL X: DON'T CARE
1: HIGH LEVEL HI-Z: HIGH IMPEDANCE

0: LOW LEVEL X: DON'T CARE
1: HIGH LEVEL HI-Z: HIGH IMPEDANCE

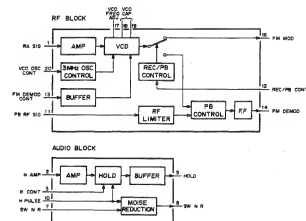
AN3920K (MATSUSHITA)
VTR FM AUDIO RF AMP
— TOP VIEW —



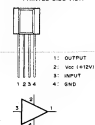
AN3522NK (MATSUSHITA)
VTA FM AUDIO MODULATOR AND DEMODULATOR
— TOP VIEW —



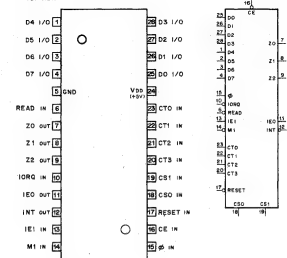
FM DEMOD : FM DEMODULATION OUTPUT
FM DEMOD CONT : FM DEMODULATION CONTROL INPUT
FM MOD : FM MODULATION OUTPUT
H AMP : HOLD AMP INPUT
H CONT : HOLD CONTROL INPUT
H PULSE : HOLD PULSE INPUT
PBRF SIG : RF RF SIGNAL INPUT
RA SIG : REC AUDIO SIGNAL INPUT
REC/PS CONT : REC/PS CONTROL INPUT
SWNR : SWITCH NOISE REDUCTION INPUT/OUTPUT
VCO CAP : VCO CAPACITOR
VCO FREQ ADJ : VCO FREQUENCY ADJUSTMENT
VCO OSC CONT : VCO OSCILLATION CONTROL INPUT



AN807P (MATSUSHITA)
AN808P (MATSUSHITA)
VDC RADIO AMPLIFIER
— PRINTED SIDE VIEW —

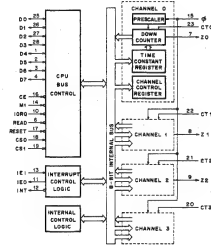


BU1836DA (ROHM)
N-MOS COUNTER TIMER CIRCUIT
— TOP VIEW —

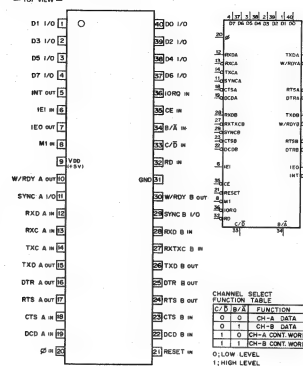


Φ : SYSTEM CLOCK
CE : CHIP ENABLE
CS0, CS1 : CHANNEL SELECT
CT0-CT3 : EXTERNAL CLOCK/TIMER TRIGGER
DO-D7 : 8-BIT DATA INPUT/OUTPUT
IE1 : INTERRUPT ENABLE INPUT
IE0 : INTERRUPT ENABLE OUTPUT
INT : INTERRUPT REQUEST (OPEN DRAIN)
IORQ : I/O REQUEST
M1 : MACHINE CYCLE 1
READ : READ CYCLE STATUS
Z0-Z3 : ZERO COUNT/TIME OUT

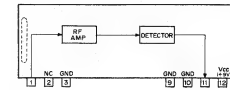
CHANNEL SELECT FUNCTION	CS1	CS0	SELECTED CHANNEL
0	0	0	0
1	0	1	1
2	1	0	2
3	1	1	3



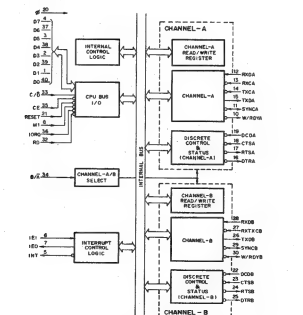
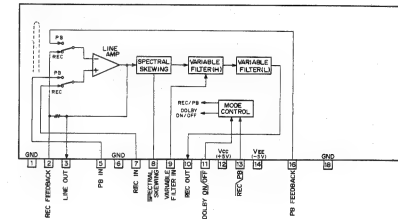
BU18440A (ROHM)
N-MOS 2-CHANNEL SERIAL INPUT/OUTPUT
FOR MICROCOMPUTER SYSTEM
— TOP VIEW —



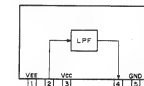
BX109B (SONY)
RF METER DRIVER
— REAR VIEW —



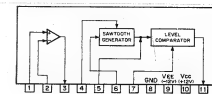
BX1152 (SONY)
DOLBY CD TYPE NOISE REDUCTION SYSTEM
— REAR VIEW —



BX1343A (SONY)
ACTIVE LOW-PASS FILTER
— PRINTED SIDE VIEW —

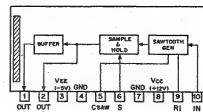


BX1480 (SONY)
PHASE SHIFTER
— PRINTED SIDE VIEW —

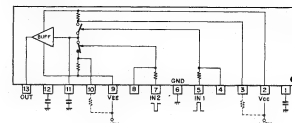


S : SYSTEM CLOCK IN
 DT-DO : DATA BUS STATE I/O
 C/S : CONTROL/DATA SELECT IN
 CE : CHIP ENABLE IN
 BF : MACHINE CYCLE I IN
 IDREQ : I/O REQUEST IN
 RD : READ IN
 B/A : CHANNEL B/A SELECT IN
 IE1 : INTERRUPT ENABLE IN
 IE0 : INTERRUPT ENABLE OUT
 INT : INTERRUPT OUT
 RGD : RECEIVE DATA IN
 RGC : RECEIVE CLOCK IN
 TXC : TRANSMIT CLOCK IN
 TXD : TRANSMIT DATA OUT
 SYNC : EXTERNAL CHARACTER SYNCHRONIZATION I/O
 W/RTD : WAIT / READY OUT
 DCO : DATA CARRIER DETECT IN
 CTS : CLEAR TO SEND IN
 RTS : REQUEST TO SEND OUT
 DTR : DATA TERMINAL READY OUT

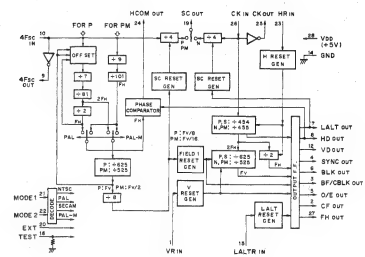
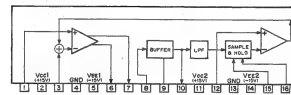
BX1481 (SONY)
PHASE DETECTOR
— PRINTED SIDE —



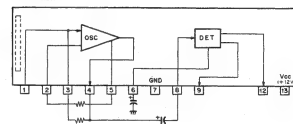
BX381 (SONY)
PHASE COMPARATOR
— SIDE VIEW —



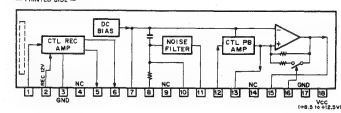
BX1484 (SONY)
SBM4002-01 (NEC)
CLAMP AND BUFFER
— PRINTED SIDE VIEW —



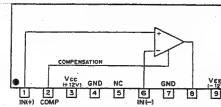
BX343 (SONY)
OSCILLATOR/DETECTOR
— REAR VIEW —



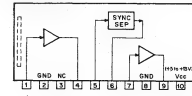
BX3814 (SONY)
CTI RECPS AMPLIFIER
— PRINTED SIDE —



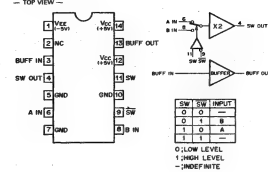
BX385A (SONY)
VIDEO AMPLIFIER
— SIDE VIEW —



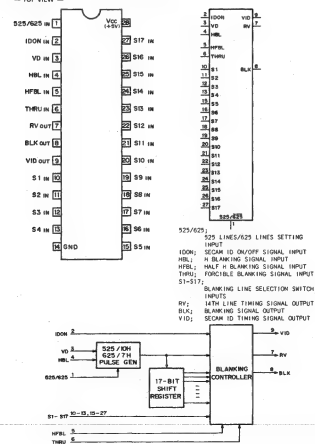
BX3815A (SONY)
SYNC SEPARATOR
— PRINTED SIDE —



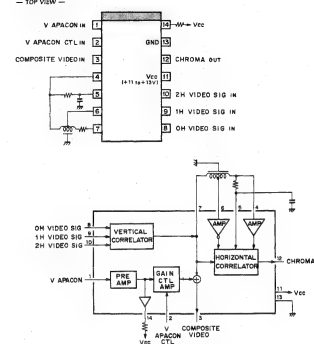
CX30158 (SONY)
VIDEO SWITCHER AND BUFFER



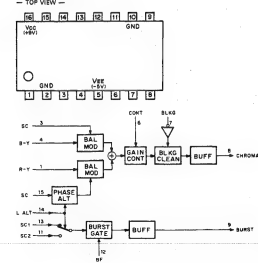
CX30162 (SONY)
BIPOLAR, VERTICAL BLANKING WIDTH CONTROLLER



CX32013 (SONY)
DYNAMIC COMB FILTER



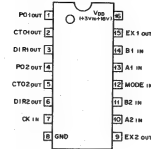
CX32017 (SONY)
VIDEO SIGNAL PROCESSOR



CK3028 (SONY)

C-MOS SYNCHRONOUS ROTATIONAL DIRECTION DETECTOR

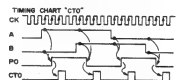
— TOP VIEW —



A, B : SIGNAL INPUTS
EX : A-B
PD : A-B (SYNCHRONOUS)
DIR : DIRECTION OUTPUT
CT0 : COUNT PULSE OUTPUT
MODE : DIR1 & CT01 MODE SELECT
⊕ : EXCLUSIVE-OR

MODE "1"

DIRECTION OUTPUT "DIR"	
INPUTS	DIR
A, B	1
B, A	0

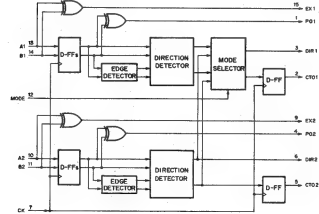


MODE "2"

DIRECTION OUTPUT "DIR"	
INPUTS	DIR
CT1 : CT2	1
A1B1 : A2B2	1
B1A1 : B2A2	0
A1B1 : B2A2	0
B1A1 : B2A2	0

CT0 : CT01 with MODE "0" or CT01 with MODE "1" or CT02
CT02 : THE SAME FUNCTION OF MODE "1"

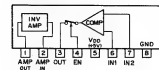
1 : HIGH LEVEL
0 : LOW LEVEL
A, B : THE PHASE OF SIGNAL A IS IN ADVANCE FOR THE PHASE OF B.



CK3055 (SONY)

N-MOS PHASE COMPARATOR WITH INVERSION AMPLIFIER

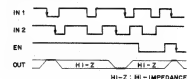
— PRINTED SIDE VIEW —



EN	OUT
1	ACTIVE
0	HIGH IMPEDANCE

1 : HIGH LEVEL
0 : LOW LEVEL

TIMING CHART



932 SDIN

LSBO	LSBO	LSBO	SDIN	FUNCTION
0	0	0	0	INCREASE IN BIT (PR OF 01)
0	0	0	1	INCREASE IN BIT (PR OF 01)
0	0	1	0	INCREASE IN BIT (PR OF 01)
0	0	1	1	INCREASE IN BIT (PR OF 01)
0	1	0	0	INCREASE IN BIT (PR OF 01)
0	1	0	1	INCREASE IN BIT (PR OF 01)
0	1	1	0	INCREASE IN BIT (PR OF 01)
0	1	1	1	INCREASE IN BIT (PR OF 01)

NOTE: INFLUENCED BIT IS DECIDED BY FIRST 2 BITS OF SWCI.

933 SWVI

LSBO	LSBO	LSBO	SWVI	FUNCTION
0	0	0	0	SWI1
0	0	0	1	SWI2
0	0	1	0	SWI3
0	0	1	1	SWI4
0	1	0	0	SWI5
0	1	0	1	SWI6
0	1	1	0	SWI7
0	1	1	1	SWI8

*1: VITC POSITION SELECT

SWID	SWIC	SWIB	SWIA	INTERSECTION LINE
SWID	SWIC	SWIB	SWIA	NTSC
0	0	0	0	LINE 25
0	0	0	1	LINE 21
0	0	0	1	LINE 21
0	0	1	0	LINE 21
0	0	1	1	LINE 21
0	1	0	0	LINE 21
0	1	0	1	LINE 21
0	1	1	0	LINE 21
0	1	1	1	LINE 21
1	0	0	0	LINE 21
1	0	0	1	LINE 21
1	0	1	0	LINE 21
1	0	1	1	LINE 21
1	1	0	0	LINE 21
1	1	0	1	LINE 21
1	1	1	0	LINE 21
1	1	1	1	LINE 21

934 SWMI

LSBO	LSBO	LSBO	LSBO	SWMI	FUNCTION
0	0	0	0	0	INSERT SWMI DATA INTO BIT 'A' (NEGATIVE-LOGIC)
0	0	0	0	1	INSERT SWMI DATA INTO BIT 'A' (NEGATIVE-LOGIC)
0	0	0	1	0	INSERT SWMI DATA INTO BIT 'A' (NEGATIVE-LOGIC)
0	0	0	1	1	INSERT SWMI DATA INTO BIT 'A' (NEGATIVE-LOGIC)
0	0	1	0	0	INSERT SWMI DATA INTO BIT 'A' (NEGATIVE-LOGIC)
0	0	1	0	1	INSERT SWMI DATA INTO BIT 'A' (NEGATIVE-LOGIC)
0	0	1	1	0	INSERT SWMI DATA INTO BIT 'A' (NEGATIVE-LOGIC)
0	0	1	1	1	INSERT SWMI DATA INTO BIT 'A' (NEGATIVE-LOGIC)
0	1	0	0	0	COLOR FRAME OFF
0	1	0	0	1	COLOR FRAME ON

*1: DON'T CARE.

962 SWCI

LSBO	LSBO	LSBO	SWCI	FUNCTION
0	0	0	0	PRST1
0	0	0	1	PRST2
0	0	1	0	PRST3
0	0	1	1	PRST4
0	1	0	0	PRST5
0	1	0	1	PRST6
0	1	1	0	PRST7
0	1	1	1	PRST8

*1: DON'T CARE.

*1: VITC FIELD MARK/LTC PHASE CORRECTION POSITION SELECT

PBS3	PBS2	PBS1	FIELD MARK POSITION	LTC BIT
0	0	0	AS1	10
0	0	1	AS2	15
0	1	0	AS3	20
0	1	1	AS4	25
1	0	0	AS5	30
1	0	1	AS6	35
1	1	0	AS7	40
1	1	1	AS8	45

NOTE: LTC PHASE CORRECTION BIT OF CR7907 IS FIXED ON BIT-53.

*2: SIGNAL FORMAT SELECT

SE	SE	SE	FORMAT	FRAME
0	0	0	0	24
0	0	1	0	24
0	1	0	0	24
0	1	1	0	24
1	0	0	0	24
1	0	1	0	24
1	1	0	0	24
1	1	1	0	24

NOTE: DROP FRAME

NOTE: NON DROP FRAME

*1: DON'T CARE.

0: LOW LEVEL

1: HIGH LEVEL

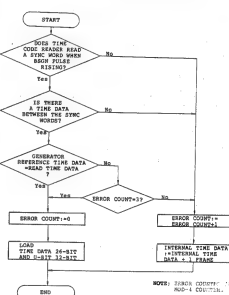
963 SWCI

LSBO	LSBO	LSBO	SWCI	FUNCTION
0	0	0	0	U-BIT
0	0	0	1	IN/OUT
0	0	1	0	DATA
0	0	1	1	SELECT*1
0	1	0	0	TIME/D-BIT
0	1	0	1	DATA RESET ON*2
0	1	1	0	DATA RESET OFF
0	1	1	1	TIME DATA LOAD
1	0	0	0	TIME DATA LOAD*2
1	0	0	1	EXTRAPOLATION ON
1	0	1	0	EXTRAPOLATION OFF

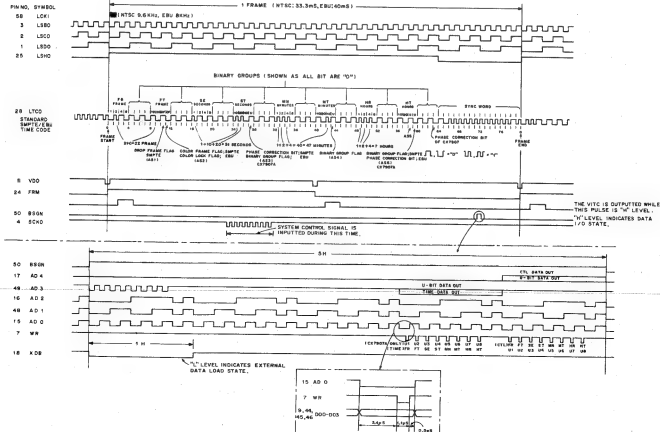
*1: DON'T CARE.

*2: INFLUENCED DATA IS DECIDED BY FIRST 2 BITS OF SWCI.

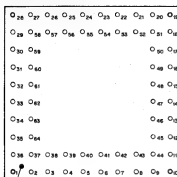
ERROR BYPASS ALGORITHM



TIMING CHART



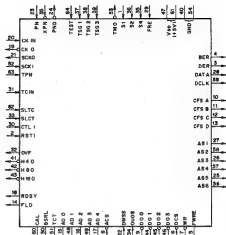
CK7912A (SONY)
C-MOS TIME CODE READER
— TOP VIEW —



INDEX DOT

PIN ASSIGNMENT

Pin No.	In	Out	Symbol	Pin No.	In	Out	Symbol	Pin No.	In	Out	Symbol	Pin No.	In	Out	Symbol
1	Q	S1	17	Q	AS 4	13	Q	SUCT	49	Q	AD 3				
2	Q	RST1	18	Q	RDSY	34	Q	QDS	50	Q	BSRL				
3	Q	DSN	19	Q	CK 0	35	Q	S4	51	Q	TCT				
4	Q	BSN	20	Q	CK IN	36	Q	S3	52	Q	BSN1				
5	Q	FWRS	21	Q	SCAO	37	Q	TSB 1	53	Q	TWO				
6	Q	DCS	22	Q	DWBS	38	Q	TSB 2	54	Q	SND				
7	Q	WR	23	Q	PA	39	Q	TSB 3	55	Q	APM				
8	Q	ACE	24	Q	PMS	40	Q	SND	56	Q	AS5				
9	Q	DD 0	25	Q	AS5	41	Q	H40	57	Q	AS4				
10	Q	CPA A	26	Q	AS5	42	Q	H40	58	Q	AS3				
11	Q	CPA B	27	Q	AS1	43	Q	H40	59	Q	DLS				
12	Q	CPA C	28	Q	DATA	44	Q	DD 1	60	Q	CAL				
13	Q	CPA D	29	Q	FRE	45	Q	DD2	61	Q	VDSY				
14	Q	FLD	30	Q	CTL 1	46	Q	DD3	62	Q	SLTC				
15	Q	AD 0	31	Q	TC IN	47	Q	VDSY	63	Q	TPN				
16	Q	AD 2	32	Q	QVF	48	Q	AD 1	64	Q	TEST				



MODE SELECT

SLCT	SLTC	MODE
0	0	AUTO
0	1	TIME CODE
1	0	CTL
1	1	AUTO

CTL COUNT

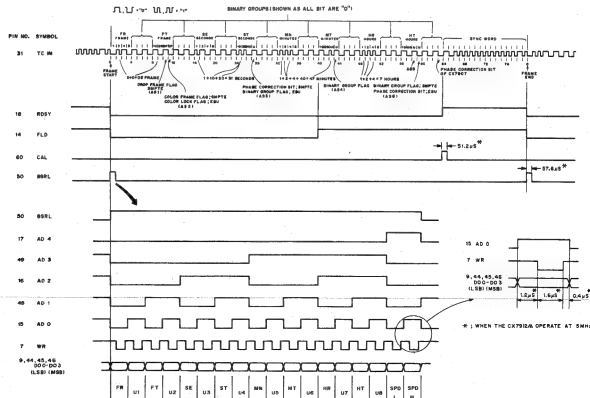
FRE	RST1	COUNT
0	x	DOWN COUNT
1	x	UP COUNT
x	x	RESET

SIGNAL FORMAT SELECT

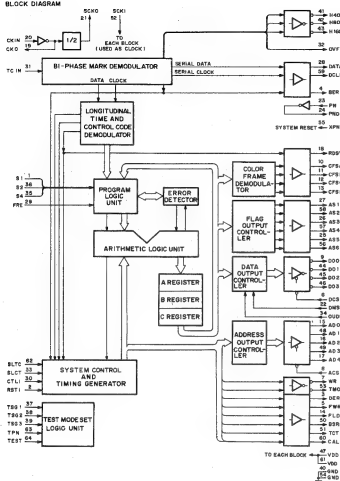
SA	SE	SI	FORMAT	FRAME
0	0	0	FILM	24
0	0	1	—	—
0	1	0	NOT ALLOWED	—
0	1	1	—	—
1	0	0	PAL SECAM	30
1	0	1	NOT ALLOWED	—
1	1	0	NTSC NON-DROP FRAME	30
1	1	1	NTSC (DROP FRAME)	30

0: LOW LEVEL
1: HIGH LEVEL
x: DON'T CARE

TIMING CHART



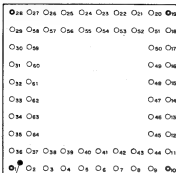
BLOCK DIAGRAM



FUNCTIONAL PIN DEFINITION

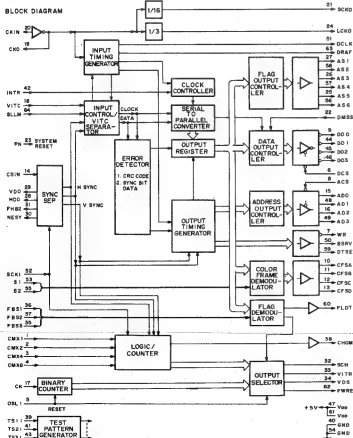
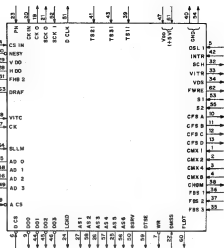
Pin No.	SYMBOL	DESCRIPTION
1	ACK	ADDRESS LINE OUTPUT ENABLE (NEGATIVE-LOGIC)
15	ADD	ADDRESS DATA OUTPUT
16	ADD	ADDRESS DATA OUTPUT
17	ADD	ADDRESS DATA OUTPUT
18	ADD	ADDRESS DATA OUTPUT
19	ADD	ADDRESS DATA OUTPUT
20	ADD	ADDRESS DATA OUTPUT
21	ADD	ADDRESS DATA OUTPUT
22	ADD	ADDRESS DATA OUTPUT
23	ADD	ADDRESS DATA OUTPUT
24	ADD	ADDRESS DATA OUTPUT
25	ADD	ADDRESS DATA OUTPUT
26	ADD	ADDRESS DATA OUTPUT
27	ADD	ADDRESS DATA OUTPUT
28	ADD	ADDRESS DATA OUTPUT
29	ADD	ADDRESS DATA OUTPUT
30	ADD	ADDRESS DATA OUTPUT
31	ADD	ADDRESS DATA OUTPUT
32	ADD	ADDRESS DATA OUTPUT
33	ADD	ADDRESS DATA OUTPUT
34	ADD	ADDRESS DATA OUTPUT
35	ADD	ADDRESS DATA OUTPUT
36	ADD	ADDRESS DATA OUTPUT
37	ADD	ADDRESS DATA OUTPUT
38	ADD	ADDRESS DATA OUTPUT
39	ADD	ADDRESS DATA OUTPUT
40	ADD	ADDRESS DATA OUTPUT
41	ADD	ADDRESS DATA OUTPUT
42	ADD	ADDRESS DATA OUTPUT
43	ADD	ADDRESS DATA OUTPUT
44	ADD	ADDRESS DATA OUTPUT
45	ADD	ADDRESS DATA OUTPUT
46	ADD	ADDRESS DATA OUTPUT
47	ADD	ADDRESS DATA OUTPUT
48	ADD	ADDRESS DATA OUTPUT
49	ADD	ADDRESS DATA OUTPUT
50	ADD	ADDRESS DATA OUTPUT
51	ADD	ADDRESS DATA OUTPUT
52	ADD	ADDRESS DATA OUTPUT
53	ADD	ADDRESS DATA OUTPUT
54	ADD	ADDRESS DATA OUTPUT
55	ADD	ADDRESS DATA OUTPUT
56	ADD	ADDRESS DATA OUTPUT
57	ADD	ADDRESS DATA OUTPUT
58	ADD	ADDRESS DATA OUTPUT
59	ADD	ADDRESS DATA OUTPUT

CK7913A (SONY)
C-MOS VITC (VERTICAL INTERVAL TIME CODE) READER
— TOP VIEW —



INDEX DOT

Pin No.	IN	OUT	SYMBOL	Pin No.	IN	OUT	SYMBOL	Pin No.	IN	OUT	SYMBOL	Pin No.	IN	OUT	SYMBOL
1	Q		CMR 1	17	Q	CR	33	Q	VTR	49	Q	AS3			
2	Q		CMR 2	18	Q	VTC	34	Q	VSR	50	Q	BSV			
3	Q		CMR 3	19	Q	CR	35	Q	FBS 1	51	Q	SCL			
4	Q		CMR 4	20	Q	CR	36	Q	FBS 1	52	Q	SK 1			
5	Q		CMR 1	21	Q	SK 0	37	Q	FBS 2	53	Q	S1			
6	Q		CR	22	Q	CMR 1	38	Q	CMR 1	54	Q	CMR			
7	Q		WR	23	Q	PH	39	Q	TS1	55	Q	S2			
8	Q		A CS	24	Q	LOCK	40	Q	END	56	Q	AS2			
9	Q		D0	25	Q	AS3	41	Q	TS2	57	Q	AS4			
10	Q		CFB A	26	Q	AS3	42	Q	INTN	58	Q	AS2			
11	Q		CFB B	27	Q	AS1	43	Q	TS3	59	Q	DTSE			
12	Q		CFB C	28	Q	H00	44	Q	S01	60	Q	PLDT			
13	Q		CFB S	29	Q	V00	45	Q	S02	61	Q	INTN			
14	Q		CS IN	30	Q	NEBY	46	Q	S03	62	Q	FWRE			
15	Q		AD 0	31	Q	FWB 2	47	Q	FWB 3	63	Q	DRAP			
16	Q		AD 2	32	Q	SK 0	48	Q	AD 1	64	Q	SLLN			



FUNCTIONAL PIN DEFINITION

Pin No.	SYMBOL	DESCRIPTION
1	ACR	ADDRESS LINE ENABLE INPUT
15	AD0	ADDRESS DATA OUTPUT
48	AD1	ADDRESS DATA OUTPUT
16	AD2	ADDRESS DATA OUTPUT
49	AD3	ADDRESS DATA OUTPUT
27	AS1	PARALLEL DATA OUTPUT
40	AS2	PARALLEL DATA OUTPUT
36	AS3	PARALLEL DATA OUTPUT
51	AS4	PARALLEL DATA OUTPUT
25	AS5	PARALLEL DATA OUTPUT
26	AS6	PARALLEL DATA OUTPUT
50	BSRV	DATA OUT FLAG OUTPUT
11	CFB A	DEMODULATED COLOR FRAME OUTPUT
12	CFB B	DEMODULATED COLOR FRAME OUTPUT
13	CFB C	DEMODULATED COLOR FRAME OUTPUT
28	CMR	CLOCK INPUT
17	CR	INTERNAL COUNTER CLOCK INPUT
20	CTIN	CLOCK INPUT
1	CMR1	CLOCK OUTPUT (NEGATIVE-LOGIC)
2	CMR2	CLOCK OUTPUT (NEGATIVE-LOGIC)
3	CMR3	CLOCK OUTPUT (NEGATIVE-LOGIC)
4	CMR4	CLOCK OUTPUT (NEGATIVE-LOGIC)
5	CMR5	CLOCK OUTPUT (NEGATIVE-LOGIC)
6	CMR6	CLOCK OUTPUT (NEGATIVE-LOGIC)
7	CMR7	CLOCK OUTPUT (NEGATIVE-LOGIC)
8	CMR8	CLOCK OUTPUT (NEGATIVE-LOGIC)
9	CMR9	CLOCK OUTPUT (NEGATIVE-LOGIC)
10	CMR10	CLOCK OUTPUT (NEGATIVE-LOGIC)
11	CMR11	CLOCK OUTPUT (NEGATIVE-LOGIC)
12	CMR12	CLOCK OUTPUT (NEGATIVE-LOGIC)
13	CMR13	CLOCK OUTPUT (NEGATIVE-LOGIC)
14	CMR14	CLOCK OUTPUT (NEGATIVE-LOGIC)
15	CMR15	CLOCK OUTPUT (NEGATIVE-LOGIC)
16	CMR16	CLOCK OUTPUT (NEGATIVE-LOGIC)
17	CMR17	CLOCK OUTPUT (NEGATIVE-LOGIC)
18	CMR18	CLOCK OUTPUT (NEGATIVE-LOGIC)
19	CMR19	CLOCK OUTPUT (NEGATIVE-LOGIC)
20	CMR20	CLOCK OUTPUT (NEGATIVE-LOGIC)
21	CMR21	CLOCK OUTPUT (NEGATIVE-LOGIC)
22	CMR22	CLOCK OUTPUT (NEGATIVE-LOGIC)
23	CMR23	CLOCK OUTPUT (NEGATIVE-LOGIC)
24	CMR24	CLOCK OUTPUT (NEGATIVE-LOGIC)
25	CMR25	CLOCK OUTPUT (NEGATIVE-LOGIC)
26	CMR26	CLOCK OUTPUT (NEGATIVE-LOGIC)
27	CMR27	CLOCK OUTPUT (NEGATIVE-LOGIC)
28	CMR28	CLOCK OUTPUT (NEGATIVE-LOGIC)
29	CMR29	CLOCK OUTPUT (NEGATIVE-LOGIC)
30	CMR30	CLOCK OUTPUT (NEGATIVE-LOGIC)
31	CMR31	CLOCK OUTPUT (NEGATIVE-LOGIC)
32	CMR32	CLOCK OUTPUT (NEGATIVE-LOGIC)
33	CMR33	CLOCK OUTPUT (NEGATIVE-LOGIC)
34	CMR34	CLOCK OUTPUT (NEGATIVE-LOGIC)
35	CMR35	CLOCK OUTPUT (NEGATIVE-LOGIC)
36	CMR36	CLOCK OUTPUT (NEGATIVE-LOGIC)
37	CMR37	CLOCK OUTPUT (NEGATIVE-LOGIC)
38	CMR38	CLOCK OUTPUT (NEGATIVE-LOGIC)
39	CMR39	CLOCK OUTPUT (NEGATIVE-LOGIC)
40	CMR40	CLOCK OUTPUT (NEGATIVE-LOGIC)
41	CMR41	CLOCK OUTPUT (NEGATIVE-LOGIC)
42	CMR42	CLOCK OUTPUT (NEGATIVE-LOGIC)
43	CMR43	CLOCK OUTPUT (NEGATIVE-LOGIC)
44	CMR44	CLOCK OUTPUT (NEGATIVE-LOGIC)
45	CMR45	CLOCK OUTPUT (NEGATIVE-LOGIC)
46	CMR46	CLOCK OUTPUT (NEGATIVE-LOGIC)
47	CMR47	CLOCK OUTPUT (NEGATIVE-LOGIC)
48	CMR48	CLOCK OUTPUT (NEGATIVE-LOGIC)
49	CMR49	CLOCK OUTPUT (NEGATIVE-LOGIC)
50	CMR50	CLOCK OUTPUT (NEGATIVE-LOGIC)
51	CMR51	CLOCK OUTPUT (NEGATIVE-LOGIC)
52	CMR52	CLOCK OUTPUT (NEGATIVE-LOGIC)
53	CMR53	CLOCK OUTPUT (NEGATIVE-LOGIC)
54	CMR54	CLOCK OUTPUT (NEGATIVE-LOGIC)
55	CMR55	CLOCK OUTPUT (NEGATIVE-LOGIC)
56	CMR56	CLOCK OUTPUT (NEGATIVE-LOGIC)
57	CMR57	CLOCK OUTPUT (NEGATIVE-LOGIC)
58	CMR58	CLOCK OUTPUT (NEGATIVE-LOGIC)
59	CMR59	CLOCK OUTPUT (NEGATIVE-LOGIC)
60	CMR60	CLOCK OUTPUT (NEGATIVE-LOGIC)
61	CMR61	CLOCK OUTPUT (NEGATIVE-LOGIC)
62	CMR62	CLOCK OUTPUT (NEGATIVE-LOGIC)
63	CMR63	CLOCK OUTPUT (NEGATIVE-LOGIC)
64	CMR64	CLOCK OUTPUT (NEGATIVE-LOGIC)
65	CMR65	CLOCK OUTPUT (NEGATIVE-LOGIC)
66	CMR66	CLOCK OUTPUT (NEGATIVE-LOGIC)
67	CMR67	CLOCK OUTPUT (NEGATIVE-LOGIC)
68	CMR68	CLOCK OUTPUT (NEGATIVE-LOGIC)
69	CMR69	CLOCK OUTPUT (NEGATIVE-LOGIC)
70	CMR70	CLOCK OUTPUT (NEGATIVE-LOGIC)
71	CMR71	CLOCK OUTPUT (NEGATIVE-LOGIC)
72	CMR72	CLOCK OUTPUT (NEGATIVE-LOGIC)
73	CMR73	CLOCK OUTPUT (NEGATIVE-LOGIC)
74	CMR74	CLOCK OUTPUT (NEGATIVE-LOGIC)
75	CMR75	CLOCK OUTPUT (NEGATIVE-LOGIC)
76	CMR76	CLOCK OUTPUT (NEGATIVE-LOGIC)
77	CMR77	CLOCK OUTPUT (NEGATIVE-LOGIC)
78	CMR78	CLOCK OUTPUT (NEGATIVE-LOGIC)
79	CMR79	CLOCK OUTPUT (NEGATIVE-LOGIC)
80	CMR80	CLOCK OUTPUT (NEGATIVE-LOGIC)
81	CMR81	CLOCK OUTPUT (NEGATIVE-LOGIC)
82	CMR82	CLOCK OUTPUT (NEGATIVE-LOGIC)
83	CMR83	CLOCK OUTPUT (NEGATIVE-LOGIC)
84	CMR84	CLOCK OUTPUT (NEGATIVE-LOGIC)
85	CMR85	CLOCK OUTPUT (NEGATIVE-LOGIC)
86	CMR86	CLOCK OUTPUT (NEGATIVE-LOGIC)
87	CMR87	CLOCK OUTPUT (NEGATIVE-LOGIC)
88	CMR88	CLOCK OUTPUT (NEGATIVE-LOGIC)
89	CMR89	CLOCK OUTPUT (NEGATIVE-LOGIC)
90	CMR90	CLOCK OUTPUT (NEGATIVE-LOGIC)
91	CMR91	CLOCK OUTPUT (NEGATIVE-LOGIC)
92	CMR92	CLOCK OUTPUT (NEGATIVE-LOGIC)
93	CMR93	CLOCK OUTPUT (NEGATIVE-LOGIC)
94	CMR94	CLOCK OUTPUT (NEGATIVE-LOGIC)
95	CMR95	CLOCK OUTPUT (NEGATIVE-LOGIC)
96	CMR96	CLOCK OUTPUT (NEGATIVE-LOGIC)
97	CMR97	CLOCK OUTPUT (NEGATIVE-LOGIC)
98	CMR98	CLOCK OUTPUT (NEGATIVE-LOGIC)
99	CMR99	CLOCK OUTPUT (NEGATIVE-LOGIC)
100	CMR100	CLOCK OUTPUT (NEGATIVE-LOGIC)

#1,2,3,4 CHK1 TO 8; CHARACTER V POSITION SELECT

CHK8	CHK4	CHK2	CHK1	INSERTION LINE	
				NTSC	PAL/SECAM
0	0	0	0	---	284-303
0	0	0	1	---	596-615
0	0	1	0	---	364-383
0	0	1	1	---	576-595
0	1	0	0	227-246	224-243
0	1	0	1	---	536-555
0	1	1	0	207-226	204-223
0	1	1	1	---	548-567
1	0	0	0	187-206	184-203
1	0	0	1	167-186	164-183
1	0	1	0	---	476-495
1	0	1	1	---	488-507
1	1	0	0	147-166	144-163
1	1	0	1	127-146	124-143
1	1	1	0	107-126	104-123
1	1	1	1	87-106	84-103
1	1	0	0	67-86	64-83
1	1	0	1	47-66	44-63
1	1	1	0	27-46	24-43
1	1	1	1	---	336-355

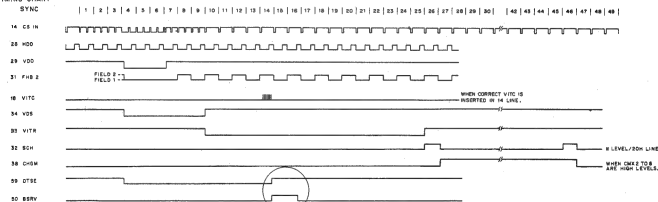
#36,37,35 PRE1 TO PRE3; FIELD DATA SELECT

PRE3	PRE2	PRE1	\$16 DATA OUTPUT
0	0	0	AS1 (VITC BIT No.14)
0	0	1	AS2 (VITC BIT No.15)
0	1	0	AS3 (VITC BIT No.16)
0	1	1	AS4 (VITC BIT No.17)
1	0	0	AS5 (VITC BIT No.18)
1	0	1	AS6 (VITC BIT No.19)
1	1	0	AS7 (VITC BIT No.20)
1	1	1	AS8 (VITC BIT No.21)

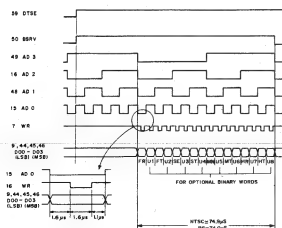
#53,55 #1,62; SIGNAL FORMAT SELECT

#2	#1	#13 CFS# FORMAT
0	0	UNSPECIFIED
0	1	NTSC NON DROP FRAME
1	1	NTSC DROP FRAME

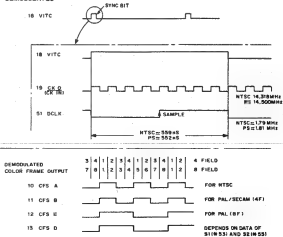
0: LOW LEVEL
1: HIGH LEVEL

TIMING CHART
SYNC

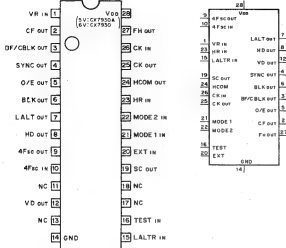
DATA OUTPUT



DEMODULATED



CX7930A (SONY) FLAT PACKAGE
C-MOS SYNC GENERATOR (NTSC, PAL-M, PAL, SECAM)
— TOP VIEW —



O/E: 1000/EVEN FIELD
CF: COLOR FRAME PULSE
HCOM: H COMPARATOR

SYSTEM	4FSC	CLOCK
NTSC	910 F _H	910 F _H
PAL	1135 F _H +2F _H	908 F _H
PAL-M	909 F _H	910 F _H
SECAM	908 F _H	908 F _H

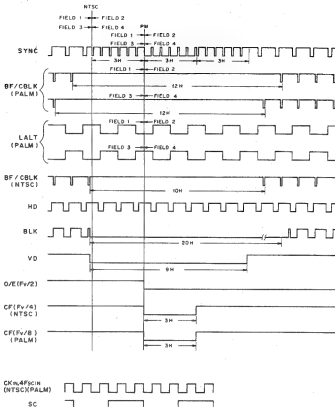
INPUTS	MODE 1	MODE 2	SYSTEM
0	0	0	NTSC
0	1	0	SECAM
1	0	1	PAL-M
1	1	1	PAL

INPUTS	EXT	TEST	FUNCTION
0	0	0	INTERNAL
0	1	0	INVALID
1	0	1	EXT
1	1	1	TEST

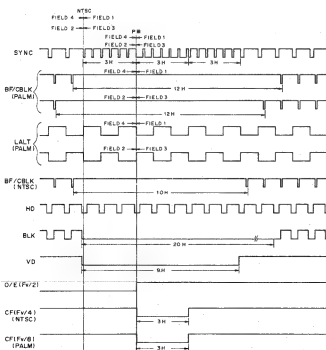
0: LOW LEVEL (GND)
1: HIGH LEVEL (VDD)

TEST "0": OPEN
(INTERNALLY)
(PULLED DOWN)

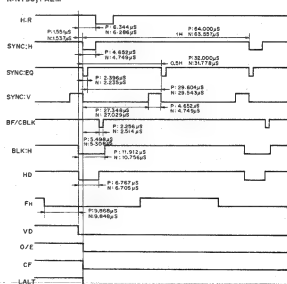
NTSC, PAL-M (FIELD 2, 4)



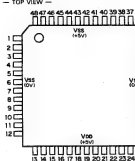
NTSC, PAL-M (FIELD 1, 3)



P: PAL, SECAM
N: NTSC, PALM



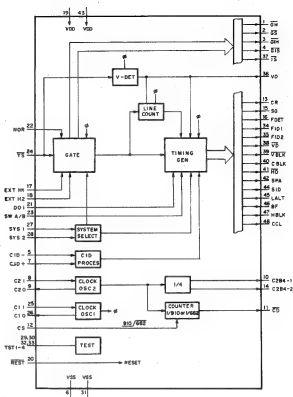
CK7993A (SONY) FLAT PACKAGE
C-MOS TIMING GENERATOR
— TOP VIEW —



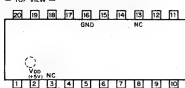
PIN ASSIGNMENT

NO.	IN	OUT	SYMBOL	NO.	IN	OUT	SYMBOL	NO.	IN	OUT	SYMBOL	NO.	IN	OUT	SYMBOL
1	O	EXT	EXT1	13	O	CR	CR	26	O	C10	C10	37	O	YS	YS
2	O	VS	VS	14	O	C284-2	C284-2	27	O	SYS1	SYS1	38	O	VB	VB
3	O	GIH	GIH	15	O	S0	S0	28	O	SYS2	SYS2	39	O	VBK	VBK
4	O	GIS	GIS	16	O	FDET	FDET	30	O	SYS2	SYS2	40	O	CLBK	CLBK
5	O	C10	C10	17	O	EXTH1	EXTH1	31	T	T	T	41	O	RD	RD
6	O	VS	VS	18	O	EXTH2	EXTH2	32	T	T	T	42	O	SPA	SPA
7	O	C10	C10	19	O	VS	VS	33	O	VS	VS	43	O	VIS	VIS
8	O	C21	C21	20	O	SYS1	SYS1	34	O	SID	SID	44	O	SID	SID
9	O	C20	C20	21	O	S01	S01	35	T	T	T	45	O	LALT	LALT
10	O	C284-1	C284-1	22	O	NOR	NOR	36	O	FID1	FID1	46	O	BF	BF
11	O	C0	C0	23	O	SW A/B	SW A/B	37	O	FID2	FID2	47	O	HBLK	HBLK
12	O	CS	CS	24	O	VS	VS	38	O	VO	VO	48	O	CEL	CEL

25	NOR	0	BF	BURST FLAG OUT
26	VS	0	C11	CLOCK 1 IN
27	EXTH1	0	C10	CLOCK 1 OUT
28	EXTH2	0	C284-1	CLOCK 2A-1
29	D01	0	C284-2	CLOCK 2A-2
30	SW A/B	0	C21	CLOCK 2 IN
31	SYS1	0	C20	CLOCK 2 OUT
32	SYS2	0	CLBK	CHROMA BLANKING PULSE OUT
33	C10-1	0	CD	CHROMA CLAMP
34	GDH1	0	CD	COUNT DOWN SIGNAL
35	C21	0	C10+ C10-	CHROMA ID 1, 2 IN
36	C20	0	CR	CORRECT SYNC OUT
37	C10	0	CS	COUNTER SELECT IN
38	LALT	0	EXTH1	EXTERNAL H-1
39	BF	0	EXTH2	EXTERNAL H-2
40	HBLK	0	FDET	FRAME DET OUT
41	CEL	0	FID1 FID2	FRAME ID 1, 2 OUT
42	TST1	0	GIH	GATED H OUT
43	TST2	0	GIS	GATE/INTERPOLATED H OUT
44	TST3	0	GS	GATE/INTERPOLATED SYNC OUT
45	TST4	0	HBK	GATED SYNC OUT
46	RST	0	HO	H-BLANKING PULSE OUT
47		0	IS	H OUT
48		0	IS	INTERPOLATED SYNC OUT
49		0	LALT	LINE ALTERNATE OUT
50		0	NOR	MODE SELECT/NORMAL/SEARCH IN
51		0	RST	RESET IN
52		0	S0	SYNC GATE OUT
53		0	SID	SCAM ID OUT
54		0	SPA	SCAM PHASE ALTERNATE OUT
55		0	SW A/B	Y SWITCHING PULSE A/B IN
56		0	SYS1, SYS2	SYSTEM SELECT 1, 2 IN
57		0	TST1, TST2	TEST 1, TEST 2
58		0	VBK	V-BLANKING PULSE OUT
59		0	VO	V OUT
60		0	VS	V SYNC OUT

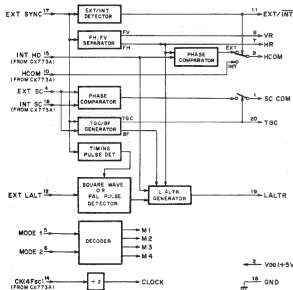


CK7998 (SONY) FLAT PACKAGE
C-MODE GENLOCK DRIVER FOR CK773A
— TOP VIEW —

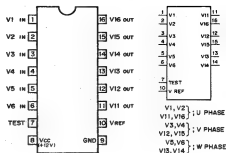


INPUTS		EXT. LOCK MODE	
MODE 1	MODE 2	M 1	PAL/VBS
0	0	M 2	PAL/M/VBS
1	0	M 3	PAL/VBS/SC/LALT
0	1	M 3	SECAM/VBS/SC/LALT
1	1	M 4	NTSC/VBS
0	1	M 4	NTSC/VBS/SC
1	1	M 4	PAL/M/VBS/SC/LALT

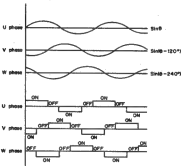
0: LOW LEVEL
1: HIGH LEVEL



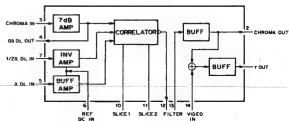
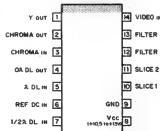
CK877 (SONY)
MOTOR DRIVER
— TOP VIEW —



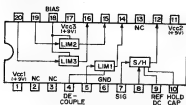
TIMING CHART



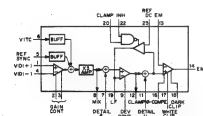
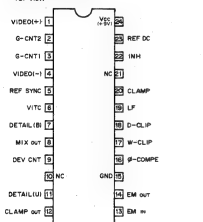
CXA1020P (SONY)
CHROMA CROSS-COLOR NOISE REDUCER/EDGE COMPENSATOR
— TOP VIEW —



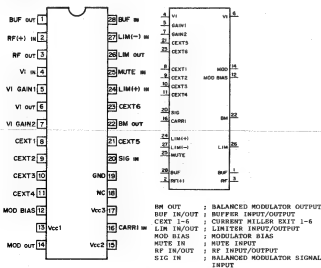
CKA1039M (SONY) PLAT PACKAGE
DETAIL ENHANCER LIMITER
— TOP VIEW —



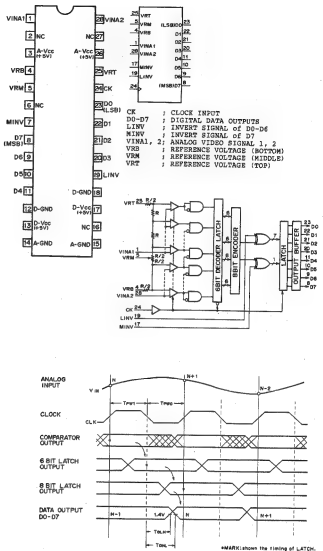
CKA1040M (SONY) MINI FLAT PACKAGE
VIDEO SIGNAL PROCESSOR
— TOP VIEW —



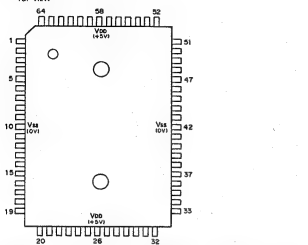
CKA1041M (SONY) MINI FLAT PACKAGE
FM MODULATOR
— TOP VIEW —



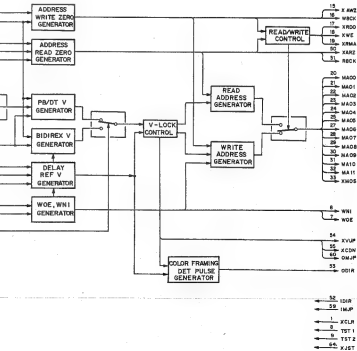
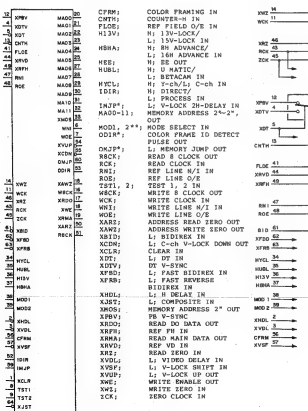
CKA1096M (SONY) FLAT PACKAGE
8-BIT 20MSPS FLASH A/D CONVERTER (TTL INPUT/OUTPUT)
— TOP VIEW —



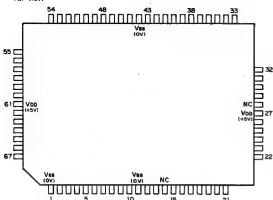
CXD1022CQ (SONY) FLAT PACKAGE
C-MOS TBC
— TOP VIEW —



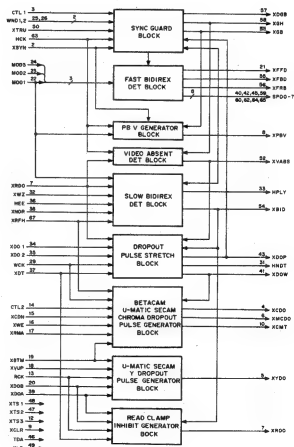
IN	OUT	SYMBOL	FIN	IN	OUT	SYMBOL	FIN	IN	OUT	SYMBOL	FIN	IN	OUT	SYMBOL	FIN
1	0	XCLR	17	0	XCLR	33	0	XMBL	48	0	XRFX	48	0	XRFX	48
2	0	XVAD	19	0	XVAD	35	0	XYTQ	51	0	ORCK	51	0	ORCK	51
4	0	XDTV	20	0	MA00	36	0	H13V	52	0	IDIR	52	0	IDIR	52
5	0	XDTI	21	0	MA01	37	0	HBHA	53	0	ODIR	53	0	ODIR	53
6	0	WV	22	0	MA02	38	0	MOBI	54	0	XZCM	54	0	XZCM	54
7	0	WSE	23	0	MA03	39	0	MOE2	55	0	CVPM	55	0	CVPM	55
8	0	TST1	24	0	MA04	40	0	HEE	56	0	VFUP	56	0	VFUP	56
9	0	TST2	25	0	MA05	41	0	FLEE	57	0	XVFS	57	0	XVFS	57
10	0	V55	26	0	V56	42	0	V55	58	0	V56	58	0	V56	58
11	0	MA07	43	0	MA07	44	0	MA07	59	0	MA07	59	0	MA07	59
12	0	XPBV	28	0	MA07	44	0	XRVD	60	0	CNJP	60	0	CNJP	60
13	0	CNTH	29	0	MA08	45	0		61	0	XBID	61	0	XBID	61
14	0		30	0	MA09	46	0		62	0	XFB2	62	0	XFB2	62
15	0	XWZ	31	0	MA10	47	0		63	0	XFB3	63	0	XFB3	63
16	0	XWZ2	32	0	MA11	48	0		64	0		64	0		64



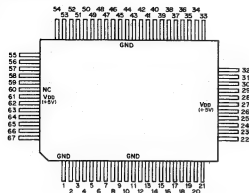
CDX1023AQ (SONY) FLAT PACKAGE
C-MOS TBC
— TOP VIEW —



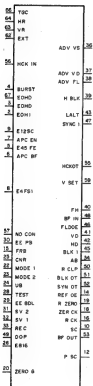
PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			Vcc	21			XFFD	41			XDDW	61			Vcc
2			X3YH	22			MOD1	42			XDDW	62			SPD6
3			CTL1	23			MOD2	43			XDDP	63			HCK
4			XCD0	24			MOD3	44			Vcc	64			SPD1
5			XDD0	25			WMD1	45			SPD5	65			SPD0
6			XMD0	26			WMD2	46			TDI	66			XRV0
7			XK00	27			Vcc	47			XTS1	67			XRFH
8			XPBV	28			WCK	48			XTS2				
9			XCLR	29			HPLY	49			XLD				
10			XCMT	30			—	50			XTRU				
11			Vcc	31			HNDT	51			THD				
12			XTS5	32			XWZ	52			XLD				
13			RCK	33			HPLY	53			XDB				
14			CTL2	34			XDD0	54			XBI D				
15			XCDN	35			XDD2	55			XFRB				
16			XWE	36			XDDT	56			XFRB				
17			XDMA	37			XDDT	57			XDB				
18			XVUP	38			XNOR	58			XGH				
19			XBTM	39			XDDA	59			SPD4				
20			XDD8	40			SPD7	60			SPD3				



CXD1024Q (S/NV)
C-MOS TIMING PULSE GENERATOR FOR TBC
— TOP VIEW —

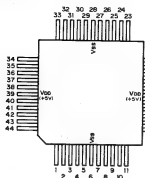


FUNCTION/OUT	SYMBOL	FUNCTION/OUT	SYMBOL	FUNCTION/OUT	SYMBOL	FUNCTION/OUT	SYMBOL
1	— GND	18	0 ZER0K	35	0 WVCR2	52	0 SYM0T
2	1 EDH1	19	0 ZER0K	36	0 ADVVS	53	0 EP0UT
3	0 BMD0	20	1 ZER0G	37	1 ADVVS	54	0 EXP0
4	1 BURST	21	0 E14CK	38	1 ADVFL	55	0 HCR0T
5	0 E45FE	22	1 MOD01	39	0 HLK1	56	1 HCKIN
6	0 APC0F	23	1 MOD02	40	1 PH	57	1 NOCKIN
7	1 APCEN	24	1 UB	41	1 VD	58	0 LALST
8	1 EAFS1	25	1 CNR	42	1 HD	59	0 V SET
9	0 E3TSC	26	1 CH0	43	1 ALT	60	—
10	0 SC	27	— VBR	44	— VBR	61	— VBR
11	— GND	28	1 TEST	45	1 BLK1	62	1 EXT
12	0 FSC	29	1 EE0L	46	1 FLD0C	63	1 VR
13	0 NEPR0	30	1 EEF0	47	1 SYN1	64	1 HR
14	0 REF0E	31	1 SV2	48	1 WFM	65	1 LALTR
15	1 FRB	32	1 SV1	49	1 SOP	66	1 T0C
16	0 ROZ	33	1 REC	50	1 RCLP	67	0 EDH0
17	0 HCR0	34	1 AB	51	1 BLST		

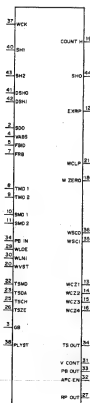


AB : ADVANCE SYNC V PHASE CONTROL
ADVFL : ADVANCE SYNC FIELD O/E OUT
ADVVS : ADVANCE SYNC VD OUT
ADVVS : ADVANCE SYNC V SET PULSE OUT
APC0F : APC BURST FLAG
APCEN : APC ENABLE
BF IN : BF IN
BF OUT : BF OUT
BLK1 : BLANKING IN
BLK0T : BLANKING OUT
BURST : BURST
DOP : CLAMP PULSE INHIBIT
E 13RC : 1/3 SC OUT
E 14RC : 1/4 SC OUT
EAFS1 : 4 FSC IN
E45FE : 4/5 FSC OUT
E 5/6 : 16/32
EE0L : SW DELAY
EEF0 : ADVANCE OFF
EOND : HD
EON1 : H IN
EOND : H OUT
EXPLO : LINE DO
EXT : EXT
PH : PH
FLD0C : FIELD O/E
FRB : FIRST REVERSE BISTOREX
HLK1 : H BLANKING PULSE
HCK IN : HCK IN
HCK OT : HCK OUT
HD : HD
HR : HR
HRCK : 1/2 READ CK
LALST : LINE ALTERNATE SET
LALT : LINE ALTERNATE
LALTR : LINE ALTERNATE RESET
MODE 1 : MODE 1
MODE 2 : MODE 2
NOCKIN : CONF1
PSC : PROCESS SC OUT
RCLP : READ CLAMP PULSE
REC : REC
REFN1 : REF N/1
REF0E : REF O/E
RCK : READ CK
REZ0 : READ ZERO
SC : SC OUT
SV 1 : SV 1
SV 2 : SV 2
SYN1 : SYNC IN
SYN0T : SYNC OUT
TEST : TEST
T0C : T0C
UB : Unlatch/Belacan
VD : VD
VR : V RESET
V SET : V SET
WVCR2 : CHROMA READ ZERO
ZERCK : ZERO CK
ZER0G : ZERO GATE

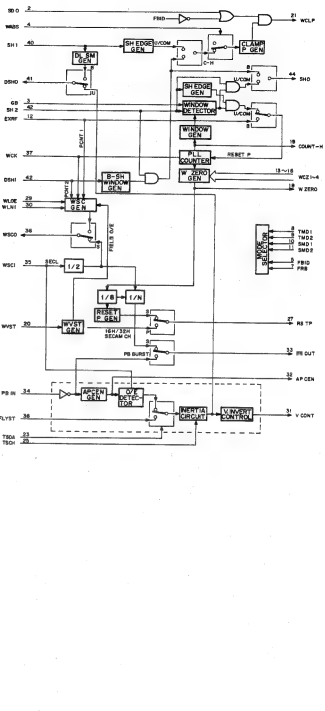
CXD1046Q (SONY)
C-MOS PLL COUNTER FOR TBC (WRITE CLOCK)
— TOP VIEW —



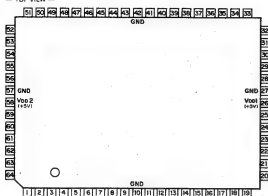
Pin No./OUT	SYMBOL	Pin No./OUT	SYMBOL	Pin No./OUT	SYMBOL	Pin No./OUT	SYMBOL
1	VDD	12	EXP	23	TSO	34	TSO
2	VDD	13	WC21	24	TSO	35	WC1
3	VDD	14	WC22	25	TSO	36	WC2
4	VDD	15	WC23	26	TSO	37	WC3
5	VDD	16	WC24	27	TSO	38	WC4
6	VDD	17	VDD	28	VDD	39	VDD
7	VDD	18	WC25	29	VDD	40	VDD
8	VDD	19	WC26	30	VDD	41	VDD
9	VDD	20	WC27	31	VDD	42	VDD
10	VDD	21	WC28	32	VDD	43	VDD
11	VDD	22	WC29	33	VDD	44	VDD



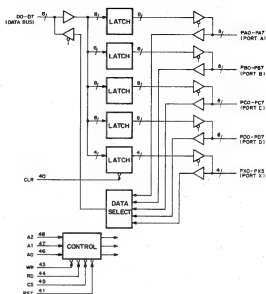
APC EN : APC ENABLE
COUNT H : COUNTER H
DSH1 : DELAYED SH IN
DSH2 : DELAYED SH OUT
EXRP : EXT RESET PULSE
F H/D : FAST HIDEK
FR H : FAST REVERSE HIDEK
GR IN : GATED H
PB IN : PB BURST IN
PB OUT : PB BURST OUT
PLVST : PLAY STATUS
RP OUT : RESET PULSE OUT
SDO : STRETCHED DOROP OUT
SHD : SELECTED H OUT
SH1 : SELECTED H1
SH2 : SELECTED H2
RND1 : S MODE 1
RND2 : S MODE 2
TND1 : T MODE 1
TND2 : T MODE 2
TSO : TEST COUNTER H
TSOA : TEST DATA IN
TSMD : TEST MODE
TSOUT : TEST OUT
TRSE : TEST W ZERO
VARS : VIDEO ARREST
V CONT : V AXIS CONTROL
WCK : WRITE CLOCK
WCLP : WRITE CLAMP PULSE
WC21 : WRITE ZERO CONTROL 1
WC22 : WRITE ZERO CONTROL 2
WC23 : WRITE ZERO CONTROL 3
WC24 : WRITE ZERO CONTROL 4
WLX1 : WRITE LINE W/L
WLX2 : WRITE LINE W/L
WLC1 : WRITE LC IN
WLC2 : WRITE LC OUT
WVST : WRITE V SET
WZRD : WRITE ZERO



CKD1095G (SONY) FLAT PACKAGE
C-MOS V₀ PORT EXPANDER
— TOP VIEW —

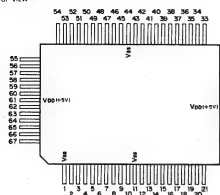


PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			NC	17	Q	Q	PC5	33			NC	49	O	Q	PK0
2			NC	18	Q	Q	PC7	34			NC	50	O	Q	PK1
3	O	Q	PB1	19			NC	35	O	Q	D3	51			NC
4	O	Q	PB2	20	O	Q	PD0	36	O	Q	D4	52	O	Q	PK2
5	O	Q	PB3	21	O	Q	PD1	37	O	Q	D5	53	O	Q	PK3
6	O	Q	PB4	22	O	Q	PD2	38	O	Q	D6	54	O	Q	PK4
7	O	Q	PB5	23	O	Q	PD3	39	O	Q	D7	55	O	Q	PA1
8	O	Q	PB6	24	O	Q	PD4	40	O	Q	CLR	56	O	Q	PA2
9	O	Q	PB7	25			GND	41	O	Q	RST	57			GND
10			GND	26	O	Q	V _{DD} (H+V)	42			GND	58	O	Q	V _{DD} (H+V)
11	O	Q	PC0	27	O	Q	PD5	43	O	Q	WR	59	O	Q	PA3
12	O	Q	PC1	28	O	Q	PD6	44	O	Q	RD	60	O	Q	PA4
13	O	Q	PC2	29	O	Q	PD7	45	O	Q	CS	61	O	Q	PA5
14	O	Q	PC3	30	O	Q	DO	46	O	Q	AD	62	O	Q	PA6
15	O	Q	PC4	31	O	Q	D1	47	O	Q	A1	63	O	Q	PA7
16	O	Q	PC5	32	O	Q	D2	48	O	Q	A2	64	O	Q	PA8



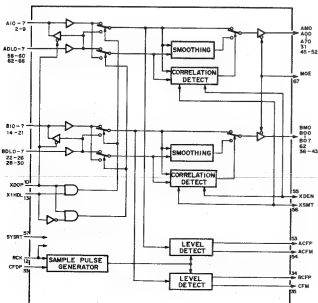
PIN	IN	OUT	SYMBOL	MODE				
1			CS	RD/WR/A2/A1/AD				
2	O	D	1	0	0	0	0	PORT A ← DATA BUS
3	O	D	1	0	0	0	1	PORT B ← DATA BUS
4	O	D	1	0	1	0	0	PORT C ← DATA BUS
5	O	D	1	0	1	1	0	PORT D ← DATA BUS
6	O	D	1	1	0	0	0	PORT X ← DATA BUS
7	O	D	1	1	0	1	0	—
8	O	D	1	1	1	0	0	—
9	O	D	1	1	1	1	0	—
10	O	D	1	0	0	0	0	DATA BUS → PORT A
11	O	D	1	0	0	0	1	DATA BUS → PORT B
12	O	D	1	0	0	1	0	DATA BUS → PORT C
13	O	D	1	0	0	1	1	DATA BUS → PORT D
14	O	D	1	0	1	0	0	DATA BUS → PORT X
15	O	D	1	0	1	0	1	—
16	O	D	1	0	1	1	0	DATA BUS → CTL REG.1
17	O	D	1	0	1	1	1	DATA BUS → CTL REG.2
18	1	X	X	X	X	X	X	DATA BUS; H=2
19								
20								
21								
22								
23								
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26								
27								
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CKD1210 (SONY)
C-MOS DATA ARRAY
— TOP VIEW —

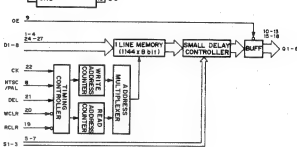
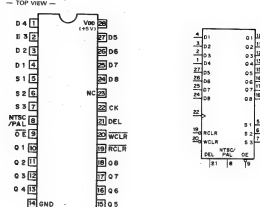


PIN#IN/OUT	SYMBOL	PIN#IN/OUT	SYMBOL	PIN#IN/OUT	SYMBOL	PIN#IN/OUT	SYMBOL	
1	VDD	18	I	B13	55	O	BCFM	
2		19	I	B12	56	O	BCFM	
3	I	A16	20	I	B11	57	O	BCFM
4	I	A15	21	I	B10	58	O	BCFM
5	I	A14	22	I	B09	59	O	BCFM
6	I	A13	23	I	B08	60	O	BCFM
7	I	A12	24	I	B07	61	O	BCFM
8	I	A11	25	I	B06	62	O	BCFM
9	I	A10	26	I	B05	63	O	BCFM
10	I	XDDP	27	I	VDD	64	I	VDD
11	I	VDD	28	I	B04	65	O	BCFM
12	I	XDD	29	I	B03	66	O	BCFM
13	I	X1HDL	30	I	B02	67	O	BCFM
14	I	B17	31	O	AMD	68	O	AMD
15	I	B16	32	O	AMD	69	O	AMD
16	I	B15	33	O	AMD	70	O	AMD
17	I	B14	34	O	BCFM	71	O	AMD

ACFM :JA-ON COLOR FRAME ID MINUS
ACFP :JA-ON COLOR FRAME ID PLUS
ADL0 7 :JA-ON 1H DELAYED INPUT DATA 2nd~2nd
AID 7 :JA-ON INPUT DATA 2nd~2nd
AND :JA-ON OUTPUT DATA 2
ADD A70 :JA-ON OUTPUT DATA 2nd~2nd
BCFM :JB-ON COLOR FRAME ID MINUS
BCFP :JB-ON COLOR FRAME ID PLUS
BDL0 7 :JB-ON 1H DELAYED INPUT DATA 2nd~2nd
BID 7 :JB-ON INPUT DATA 2nd~2nd
BOD 7 :JB-ON OUTPUT DATA 2nd~2nd
BPD :JB-ON OUTPUT DATA 2
CFDP :COLOR FRAME ID DETECT PULSE
HDE :H1 OUTPUT ENABLE
HCE :H2 OUTPUT ENABLE
SYSRT :SYSTEM RESET
X DEN :CORRELATION DETECT ENABLE
X DOP :JDRQ OUT PULSE
X SMT :SMOOTHING
X 1HDL :1HDL SELECT



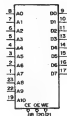
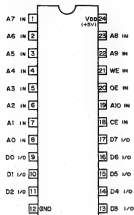
CKT12025 (SONY)
C-MOS DIGITAL DELAY LINE
— TOP VIEW —



CXK5816M-12L (SONY) (ACCESS TIME 120ns)

C-MOS 16K (2Kx8-BIT) STATIC RAM

— TOP VIEW —

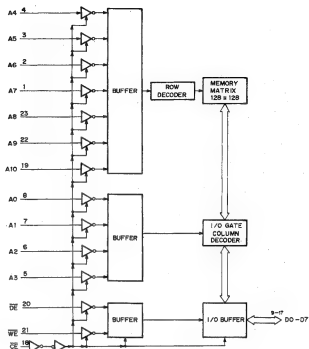


A0-A10; ADDRESS INPUTS
 CE ; CHIP ENABLE INPUT
 D0-D7 ; DATA INPUTS/OUTPUTS
 OE ; OUTPUT ENABLE INPUT
 WE ; WRITE ENABLE INPUT

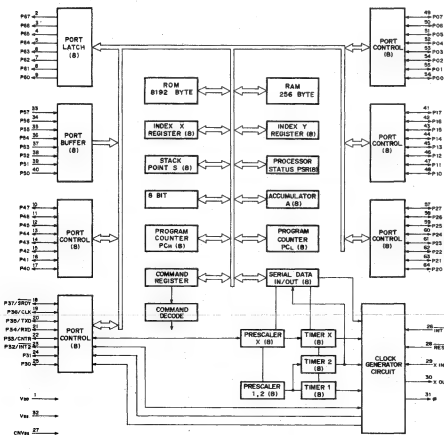
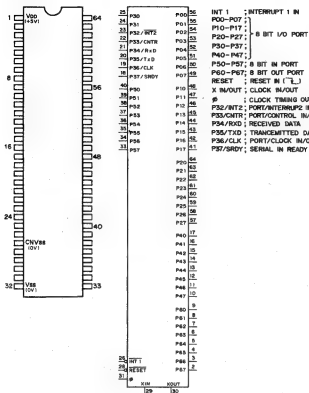
MODE SELECTION

CONTROL INPUTS			MODE
CE	OE	WE	
1	X	X	NO CHANGE
0	1	1	DISABLE OUTPUT
0	1	0	READ
0	1	0	WRITE

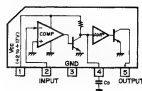
0; LOW LEVEL
 1; HIGH LEVEL
 X; DON'T CARE



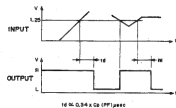
M50747-XXXSP
C-MOS PROCESS 8-BIT ONE CHIP MICROCOMPUTER
— TOP VIEW —



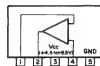
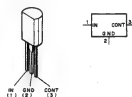
M51958BL (MITSUBISHI)
VOLTAGE DETECT DELAY
— PRINTED SIDE VIEW —



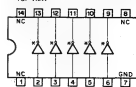
TIMING CHART



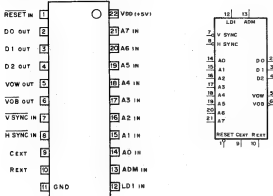
M5215 L (MITSUBISHI)
FM IF AMPLIFIER
— REAR VIEW —

MS238L (MITSUBISHI)
ADJUSTABLE VOLTAGE REGULATOR

M54516P (MITSUBISHI)
INVERTER WITH OPEN-COLLECTOR
(DARLINGTON-CONNECTED TRANSISTOR ARRAY)
— TOP VIEW —

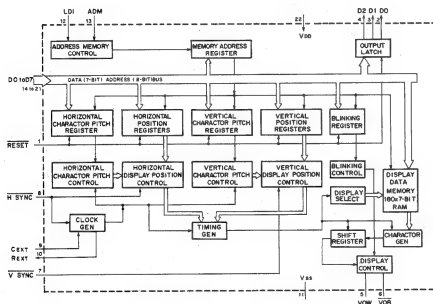


MB8302 (FUJITSU)
N-MOS PROGRAMMABLE TV DISPLAY CONTROLLER
— TOP VIEW —

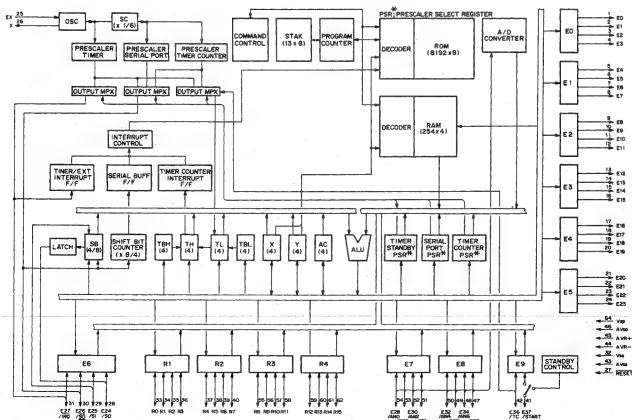
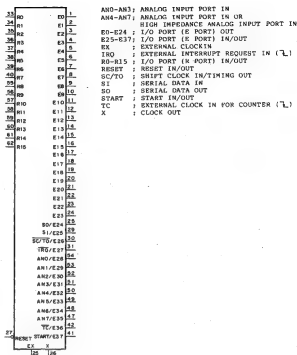
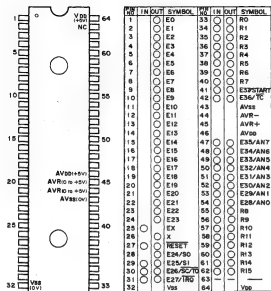


ADM : ADDRESS INCREMENT MODE
A0 to A7 : ADDRESS INPUT
DO to D2 : DATA OUTPUT
CE1 : EXT. CAPACITOR FOR OSC
LD1 : LOAD DATA AND INSTRUCTION
LD1 : VIDEO BLACK OUT
VOW : VIDEO WHITE OUT
RE1 : EXT. RESISTOR FOR OSC

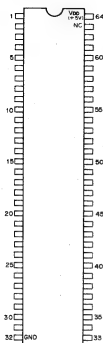
DO	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
00	A	B	C	D	E	F	G	H	I	J	K	L	M	.	—	—
01	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	:	■	(
10	0	1	2	3	4	5	6	7	8	9	?	!	'	.	END)
11	↑	↓	←	→	+	-	*	/	=	&						



MB86158-280W (FUJITSU)
C-MOS 4 BIT ONE-CHIP MICROCOMPUTER WITH MULTI I/O AND 8 BIT A/D CONVERTER
— TOP VIEW —



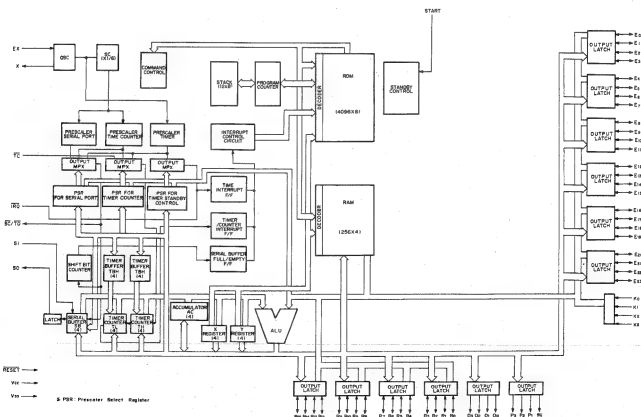
MB88525 (FUJITSU)
C-MOS 4-BIT ONE-CHIP MICROCOMPUTER
— TOP VIEW —



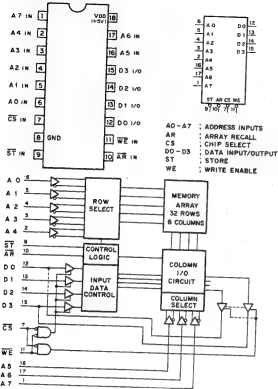
Pin	Symbol	Pin	Symbol
1	VDD	17	VDD
2	NC	18	VDD
3	VDD	19	VDD
4	NC	20	VDD
5	VDD	21	VDD
6	NC	22	VDD
7	VDD	23	VDD
8	NC	24	VDD
9	VDD	25	VDD
10	NC	26	VDD
11	VDD	27	VDD
12	NC	28	VDD
13	VDD	29	VDD
14	NC	30	VDD
15	VDD	31	VDD
16	NC	32	GND



EO-E23 : I/O PORT (E1) IN/OUT
 EX : EXTERNAL CLOCK IN
 IRQ : EXTERNAL INTERRUPT REQUEST IN
 KO-K3 : INPUT PORT (K) IN
 OO-O3 : OUTPUT PORT (O) OUT
 PO-P3 : OUTPUT PORT (P) OUT
 RO-R15 : I/O PORT (R) IN/OUT
 RESET : RESET IN
 SC/TO : SHIFT CLOCK IN/TIMING OUT
 S1 : SERIAL DATA IN
 START : STANDBY RELEASE IN
 SO : SERIAL DATA OUT
 TC : EXTERNAL CLOCK IN
 X : CLOCK OUT



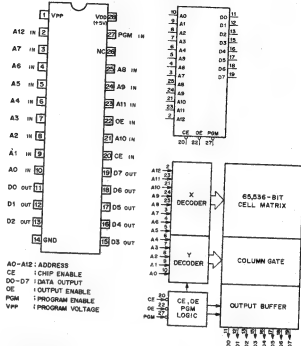
MBM2212-25P (FLJITSU) (ACCESS TIME = 250 nS)
N-MOS 1024 (256K)-BIT NONVOLATILE STATIC RAM
— TOP VIEW —



CS	WE	AR	BY	I/O	MODE
1	X	1	1	HI-Z	NOT SELECTED
0	1	1	1	OUTPUT DATA	RAM READ
0	0	1	1	INPUT DATA 1	RAM WRITE "1"
0	0	1	1	INPUT DATA 0	RAM WRITE "0"
X	1	0	1	HI-Z	ARRAY SELECT
X	A	0	1	HI-Z	ARRAY RECALL
X	1	1	0	HI-Z	NONVOLATILE STORAGE
1	X	1	0	HI-Z	

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE
HI-Z: HIGH IMPEDANCE

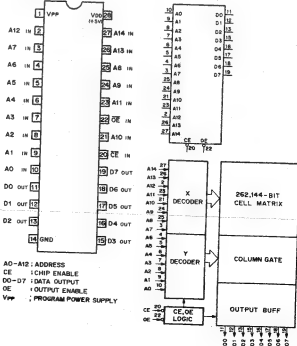
MBM2704-2S (FLJITSU) (ACCESS TIME = 250 nS)
N-MOS 64K (8K-8) ERASABLE PROM WITH 3-STATE OUTPUTS
— TOP VIEW —



AR	CE	OE	PGM	Vpp	Dn	FUNCTION
AR	0	0	1	PSV	DETECTED	READ
AR	0	1	PSV	HI-Z		OUTPUT DISABLE
AR	0	0	PSV	HI-Z		OUTPUT DISABLE
N	1	X	PSV	HI-Z		STANDBY
AR	0	X	PSV	Dn		PGM
AR	0	0	1	PSV	DETECTED	PGM VERIFY
X	1	X	PSV	HI-Z		PGM INH

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE
HI-Z: HIGH IMPEDANCE

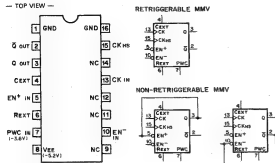
MBM27C256-2S (FLJITSU) (ACCESS TIME = 250 nS)
C-MOS 256K (32K-8) ERASABLE PROM WITH 3-STATE OUTPUTS
— TOP VIEW —



AR	CE	OE	Vpp	Dn	FUNCTION
AR	0	0	PSV	DOUT	READ
AR	0	1	PSV	HI-Z	OUTPUT DISABLE
X	1	X	PSV	HI-Z	STANDBY
AR	0	1	PSV	Dn	PGM
AR	0	0	PSV	DOUT	PGM VERIFY
X	1	X	PSV	HI-Z	PGM INH

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE
HI-Z: HIGH IMPEDANCE

MC10196L (MOTOROLA)
ECL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
— TOP VIEW —



CK : CLOCK TRIGGER INPUT
CKHS : HIGH-SPEED CLOCK TRIGGER INPUT
EN+ : TRIGGER POSITIVE ENABLE
EN- : TRIGGER NEGATIVE ENABLE
PWG : EXTERNAL PULSE WIDTH CONTROL

FUNCTION TABLE

EN+ EN-	TRIG. SLOPE
0 0	L
0 1	L
1 0	L
1 1	DISABLE

0: LOW LEVEL
1: HIGH LEVEL

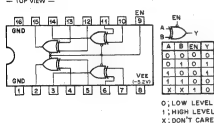
OUTPUT PULSE WIDTH: PWG
 $PWG = 1.19 \times CEAT (REXT + 284)$

WHERE

PWG : SEC
CEAT : FARADS
REXT : OHMS
VEE : -5.2V
PWG : -3.6V

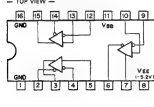
NOTE: SELECT REXT RANGING FROM 2200 TO 15K OHMS. SELECT CEAT GREATER THAN 20PF.

MC10H113M (MOTOROLA) FLAT PACKAGE
ECL EXCLUSIVE OR GATE
— TOP VIEW —

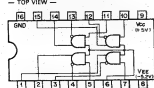


0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

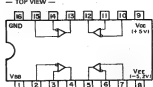
MC10H116M (MOTOROLA) FLAT PACKAGE
ECL DIFFERENTIAL OR/NOR LINE RECEIVER
— TOP VIEW —



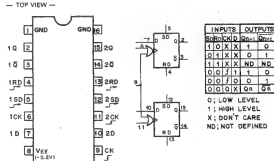
MC10H134M (MOTOROLA) FLAT PACKAGE
ECL TTL-TO-ECL TRANSLATOR
— TOP VIEW —



MC10H125M (MOTOROLA) FLAT PACKAGE
ECL ECL-TO-TTL TRANSLATOR
— TOP VIEW —



MC10H131M (MOTOROLA) FLAT PACKAGE
ECL D-TYPE FLIP FLOP
— TOP VIEW —

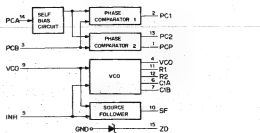
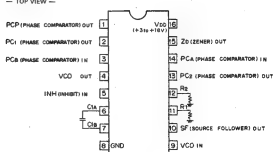


INPUTS OUTPUT

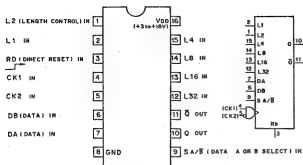
Q	Q'	Q	Q'	Q	Q'	Q	Q'
0	1	0	1	0	1	0	1
1	0	1	0	1	0	1	0
0	1	0	1	0	1	0	1
1	0	1	0	1	0	1	0

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE
ND: NOT DEFINED

MC14046BCP (MOTOROLA)
2-MODE PHASE LOCKED LOOP
— TOP VIEW —



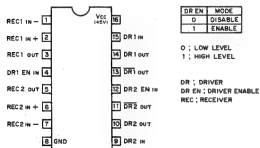
MC14557BF (MOTOROLA) FLAT PACKAGE
C-MOS 3-TO-64-BIT VARIABLE LENGTH SHIFT REGISTER
— TOP VIEW —



INPUTS	OUTPUT
RD SA/CK1 CK2	Q
0 0 1 0	DB
0 1 1 0	DA
0 0 1 1	DB
0 1 1 1	DA
1 X X X	Q

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

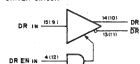
MC34051P (MOTOROLA)
RS-422 DRIVER/RECEIVER
— TOP VIEW —



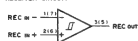
0: LOW LEVEL
1: HIGH LEVEL

DR: DRIVER
DR EN: DRIVER ENABLE
REC: RECEIVER

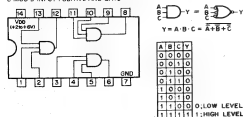
DRIVER CIRCUIT



RECEIVER CIRCUIT

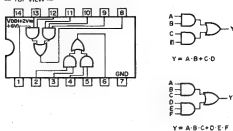


MC74HC11F (MOTOROLA) FLAT PACKAGE
TC74HC11F (TOSHIBA)
C-MOS 3-INPUT POSITIVE-AND GATE

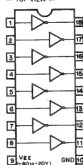


0: LOW LEVEL
1: HIGH LEVEL

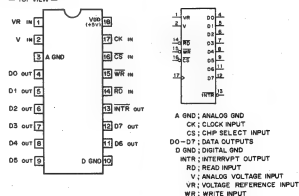
MC74HCSB (MOTOROLA)
CMOS 2-WIDE 2-INPUT/2-INPUT AND-OR GATE
— TOP VIEW —



MSL817PS (OKI)
VACUUM FLUORESCENT DISPLAY DRIVER
— TOP VIEW —



MSM5204ARS (OKI)
C-MOS 8 BIT ANALOG TO DIGITAL CONVERTER
— TOP VIEW —



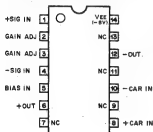
N5532P (TI)
LOW NOISE OPERATIONAL AMPLIFIER
— TOP VIEW —



NJM082M (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



NJM1496M (JRC) FLAT PACKAGE
BALANCED MODULATOR/DEMODULATOR
— TOP VIEW —



NJM2903D (JRC)
NJM2903M (JRC) FLAT PACKAGE
uPC393G2 (NEC) FLAT PACKAGE
VOLTAGE COMPARATOR
— TOP VIEW —



NJM4556D (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



NJM4558D (JRC)
NJM4558D-FA (JRC)
NJM4558M (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



NJM2041M-D (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



NJM4560DD (JRC)
NJM4560M (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



NJM2043DD (JRC)
NJM2043M-D (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



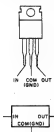
NJM4562D-D (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



NJM5532M (JRC) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



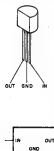
NJM78 77A (JRC)
POSITIVE VOLTAGE REGULATOR (1A)
— SIDE VIEW —



OUTPUT VOLTAGE	AN7877	F57877	HA17877P	L7877	NJM7877B	NJM7877A/E
+5V	AN7805	F57805	HA17805P	L7805	-----	NJM7805A/E
+6V	AN7806	-----	HA17806P	L7805	-----	NJM7806A/E
+7V	AN7807	-----	HA17807P	L7807	-----	-----
+8V	AN7808	-----	HA17808P	-----	-----	NJM7808A/E
+8.5V	-----	-----	-----	-----	-----	-----
+9V	AN7809	-----	-----	-----	-----	NJM7809A/E
+10V	AN7810	-----	-----	-----	-----	-----
+12V	AN7812	F57812	HA17812P	-----	NJM7812B	NJM7812A/E
+15V	AN7815	F57815	HA17815P	-----	-----	NJM7815A/E
+18V	AN7818	-----	HA17818P	-----	-----	NJM7818A/E
+20V	AN7820	-----	-----	-----	-----	NJM7820A/E
+24V	AN7824	F57824	HA17824P	-----	-----	NJM7824A/E

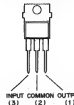
OUTPUT VOLTAGE	UA78770C	UPC14377B	UPC7877B	TA78777P/AP
+5V	UA78050C	UPC14305B	UPC7805B	TA78050P/AP
+6V	UA78060C	-----	-----	TA78060P/AP
+7V	-----	-----	-----	-----
+8V	UA78080C	UPC14308B	UPC7808B	TA78080P/AP
+8.5V	UA78050C	-----	-----	-----
+9V	-----	-----	-----	TA78090P/AP
+10V	-----	-----	-----	TA78100P/AP
+12V	UA78120C	UPC14312B	UPC7812B	TA78012P/AP
+15V	UA78150C	UPC14315B	UPC7815B	TA78015P/AP
+18V	UA78180C	UPC14318B	UPC7818B	TA78018P/AP
+20V	-----	-----	-----	TA78020P/AP
+24V	UA78240C	UPC14324B	UPC7824B	TA78024P/AP

NJM78L 77A (NEC)
POSITIVE VOLTAGE REGULATOR (100mA)



OUTPUT VOLTAGE	NJM78L77A	UA78L77ACL	UA78L77AMV	UPC78L77J	AN78L77
+2.6V	NJM78L02A	UA78L02ACL	UA78L02AMV	-----	AN78L04
+4V	-----	-----	-----	-----	AN78L05
+5V	NJM78L05A	UA78L05ACL	UA78L05AMV	UPC78L05J	AN78L06
+6V	NJM78L06A	-----	-----	-----	AN78L07
+6.2V	-----	UA78L06ACL	UA78L06AMV	-----	-----
+7V	-----	-----	-----	-----	AN78L08
+8V	NJM78L08A	UA78L08ACL	-----	UPC78L08J	AN78L09
+8.2V	-----	-----	UA78L08AMV	-----	-----
+9V	NJM78L09A	UA78L09ACL	-----	UPC78L09J	AN78L10
+10V	-----	UA78L10ACL	-----	UPC78L10J	AN78L11
+12V	NJM78L12A	UA78L12ACL	UA78L12AMV	UPC78L12J	AN78L12
+15V	NJM78L15A	UA78L15ACL	UA78L15AMV	UPC78L15J	AN78L13
+18V	NJM78L18A	-----	UA78L18AMV	-----	AN78L14
+20V	NJM78L20A	-----	-----	-----	AN78L15
+24V	NJM78L24A	-----	UA78L24AMV	-----	AN78L16

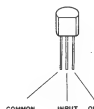
NJM78M 77A (JRC)
POSITIVE VOLTAGE REGULATOR (500mA)
— FRONT VIEW —



5V	NJM78M05A
6V	NJM78M06A
8V	NJM78M08A
9V	NJM78M09A
12V	NJM78M12A
15V	NJM78M15A
18V	NJM78M18A
20V	NJM78M20A
24V	NJM78M24A



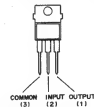
NJM78L 77A (JRC)
NEGATIVE VOLTAGE REGULATOR (100mA)
— FRONT VIEW —



OUTPUT VOLTAGE	NJM78L77A
-3V	NJM78L03A
-4V	-----
-5V	NJM78L05A
-6V	NJM78L06A
-7V	-----
-8V	NJM78L08A
-9V	NJM78L09A
-10V	-----
-12V	NJM78L12A
-15V	NJM78L15A
-18V	NJM78L18A
-20V	-----
-24V	NJM78L24A



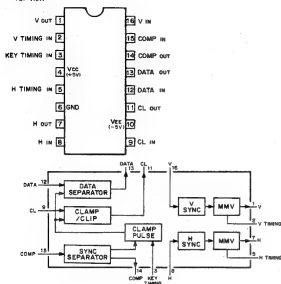
NJM78M 77A (JRC)
NEGATIVE VOLTAGE REGULATOR (500mA)
— FRONT VIEW —



-5V	NJM78M05A
-6V	NJM78M06A
-8V	NJM78M08A
-9V	NJM78M09A
-12V	NJM78M12A
-15V	NJM78M15A
-18V	NJM78M18A
-24V	NJM78M24A



PA0009 (PIONEER)
SIGNAL SEPARATOR
— TOP VIEW —



S-80211 (SEIKO I AND E)
C-MOS VOLTAGE REGULATOR



OUTPUT VOLTAGE	S-80211
-3V	S-80250AG
-5V	S-80250AG
+3V	S-81230AG
+5V	S-81250AG
+5V	S-81250AH

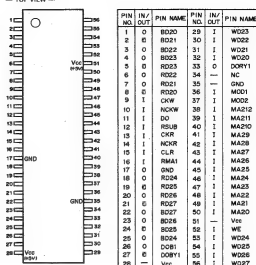
* S-80211 → V_{DD}
S-81211 → V_{SS}

S-805 P (SEIKO I AND E)
VOLTAGE DETECTOR



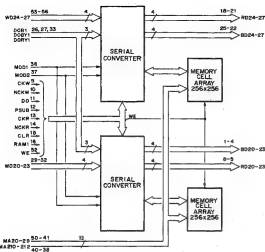
DETECTION RANGE (V)	S-805 P
1.00 - 1.10	S-8051 ANB
1.10 - 1.20	S-8051 ANR
2.00 - 2.20	S-8052 ALB
2.20 - 2.40	S-8052 ALR
2.40 - 2.60	S-8052 ALO
2.60 - 2.80	S-8052 ALO
2.80 - 3.10	S-8053 ALB
2.90 - 3.10	S-8053 ALR
3.10 - 3.40	S-8053 ALR
3.25 - 3.405	S-8053 ALR-U
3.80 - 4.20	S-8054 HW
4.00 - 4.30	S-8054 ALB
4.30 - 4.60	S-8054 ALR
4.60 - 4.90	S-8054 ALR
4.90 - 5.20	S-8054 ALY

SDX4001-01 (FUJITSU)
32 LINE MEMORY
— TOP VIEW —

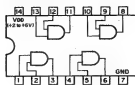


BD20-27 : SERIAL DATA/MAIN-B-Y OUTPUTS
CER : MAIN SIGNAL P/S CONV. CLOCK INPUT
COW : S/T CONV. CLOCK INPUT
CLR : START LINE ID SIGNAL INPUT
DO : INPUT DATA REPLACEMENT CONTROL INPUT
DOB1 : BECOME LOW LEVEL WHEN DORY OR DORY IS LOW
DORY1 : BECOME LOW LEVEL WHEN S-Y OR MAIN ARE ALL LOW
DOB1 : BECOME LOW LEVEL WHEN S-Y OR MAIN ARE ALL LOW
NA20-29 : ADDRESS INPUTS
MOD1, 2 : MODE CONTROL INPUTS
HCKR : PHASE CONTROL CLOCK (FOR RD20-27) INPUT
NCW : DIVIDING CLOCK INPUT
PEUB : READ SUB ADDRESS
RD20-27 : SERIAL DATA/MAIN-B-Y OUTPUTS
RD20-27 : SERIAL DATA INPUTS
RD20-27 : READ/WRITE CONTROL INPUT

30	MA20		
31	MA21		
32	MA22		
33	MA23		
34	MA24		
35	MA25		
36	MA26		
37	MA27		
38	MA28	RD20	
39	MA29	RD21	
40	MA30	RD22	
41	MA31	RD23	
42	MA32	RD24	
43	MA33	RD25	
44	MA34	RD26	
45	MA35	RD27	
46	MA36		
47	MA37		
48	MA38		
49	MA39		
50	MA40		
51	MA41		
52	MA42		
53	MA43		
54	MA44		
55	MA45		
56	MA46		
57	MA47		
58	MA48		
59	MA49		
60	MA50		
61	MA51		
62	MA52		
63	MA53		
64	MA54		
65	MA55		
66	MA56		
67	MA57		
68	MA58		
69	MA59		
70	MA60		
71	MA61		
72	MA62		
73	MA63		
74	MA64		
75	MA65		
76	MA66		
77	MA67		
78	MA68		
79	MA69		
80	MA70		
81	MA71		
82	MA72		
83	MA73		
84	MA74		
85	MA75		
86	MA76		
87	MA77		
88	MA78		
89	MA79		
90	MA80		
91	MA81		
92	MA82		
93	MA83		
94	MA84		
95	MA85		
96	MA86		
97	MA87		
98	MA88		
99	MA89		
100	MA90		
101	MA91		
102	MA92		
103	MA93		
104	MA94		
105	MA95		
106	MA96		
107	MA97		
108	MA98		
109	MA99		
110	MA100		
111	MA101		
112	MA102		
113	MA103		
114	MA104		
115	MA105		
116	MA106		
117	MA107		
118	MA108		
119	MA109		
120	MA110		
121	MA111		
122	MA112		
123	MA113		
124	MA114		
125	MA115		
126	MA116		
127	MA117		
128	MA118		
129	MA119		
130	MA120		
131	MA121		
132	MA122		
133	MA123		
134	MA124		
135	MA125		
136	MA126		
137	MA127		
138	MA128		
139	MA129		
140	MA130		
141	MA131		
142	MA132		
143	MA133		
144	MA134		
145	MA135		
146	MA136		
147	MA137		
148	MA138		
149	MA139		
150	MA140		
151	MA141		
152	MA142		
153	MA143		
154	MA144		
155	MA145		
156	MA146		
157	MA147		
158	MA148		
159	MA149		
160	MA150		
161	MA151		
162	MA152		
163	MA153		
164	MA154		
165	MA155		
166	MA156		
167	MA157		
168	MA158		
169	MA159		
170	MA160		
171	MA161		
172	MA162		
173	MA163		
174	MA164		
175	MA165		
176	MA166		
177	MA167		
178	MA168		
179	MA169		
180	MA170		
181	MA171		
182	MA172		
183	MA173		
184	MA174		
185	MA175		
186	MA176		
187	MA177		
188	MA178		
189	MA179		
190	MA180		
191	MA181		
192	MA182		
193	MA183		
194	MA184		
195	MA185		
196	MA186		
197	MA187		
198	MA188		
199	MA189		
200	MA190		
201	MA191		
202	MA192		
203	MA193		
204	MA194		
205	MA195		
206	MA196		
207	MA197		
208	MA198		
209	MA199		
210	MA200		
211	MA201		
212	MA202		
213	MA203		
214	MA204		
215	MA205		
216	MA206		
217	MA207		
218	MA208		
219	MA209		
220	MA210		
221	MA211		
222	MA212		
223	MA213		
224	MA214		
225	MA215		
226	MA216		
227	MA217		
228	MA218		
229	MA219		
230	MA220		
231	MA221		
232	MA222		
233	MA223		
234	MA224		
235	MA225		
236	MA226		
237	MA227		
238	MA228		
239	MA229		
240	MA230		
241	MA231		
242	MA232		
243	MA233		
244	MA234		
245	MA235		
246	MA236		
247	MA237		
248	MA238		
249	MA239		
250	MA240		
251	MA241		
252	MA242		
253	MA243		
254	MA244		
255	MA245		
256	MA246		
257	MA247		
258	MA248		
259	MA249		
260	MA250		



SN74HC08B (TOSHIBA) FLAT PACKAGE
 TC74HC08B (TOSHIBA) FLAT PACKAGE
 C-MOS 2-INPUT AND GATE
 — TOP VIEW —

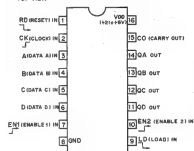


$$Y = A \cdot B = \overline{A + B}$$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0: LOW LEVEL
 1: HIGH LEVEL

SN74HC161 (TOSHIBA) FLAT PACKAGE
 C-MOS SYNCHRONOUS PRESETTABLE 4-BIT BINARY COUNTER
 — TOP VIEW —



MODE SELECTION

RD	LD	EN1	EN2	MODE
0	X	X	X	RESET
1	0	X	X	PRESET (ASYNCHRONOUS)
1	1	0	X	RD COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

COUNT SEQUENCE

COUNT	Q0	Q1	Q2	Q3	Q4
0	0	0	0	0	0
1	0	0	0	1	0
2	0	0	1	0	0
3	0	0	1	1	0
4	0	1	0	0	0
5	0	1	0	1	0
6	0	1	1	0	0
7	0	1	1	1	0
8	1	0	0	0	0
9	1	0	0	1	0
10	1	0	1	0	0
11	1	0	1	1	0
12	1	1	0	0	0
13	1	1	0	1	0
14	1	1	1	0	0
15	1	1	1	1	0

0: LOW LEVEL

1: HIGH LEVEL

X: DON'T CARE

CARRY OUTPUT "CO"

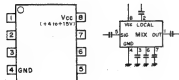
CO IS HIGH WHEN EN2 INPUT IS

HIGH AND COUNT IS "15".

SN18913P (TOSHIBA)

BALANCED MIXER

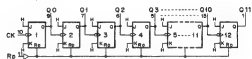
— TOP VIEW —



* VDD MC; +2.10 +6V
HCT; +5V



Pinout diagram for the 74LS161 4-bit binary counter. The diagram shows a 16-pin package with pins 1 through 16. Pin 1 is GND, Pin 16 is Vcc (5V). Pins 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 are labeled with their functions: Q0, Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15. The diagram is labeled '74LS161' and '16-PIN DIP'.

[illegible]

0; LOW LEVEL
1; HIGH LEVEL

COUNT	INPUTS				OUTPUTS							
	CK	RD	07	06	05	04	03	02	01	00		
0	X	1	0	0	0	0	0	0	0	0		
1	L	0	0	0	0	0	0	0	1	0		
2	L	0	0	0	0	0	0	0	1	0		
3	L	0	0	0	0	0	0	1	1	0		
125	L	0	1	1	1	1	1	0	1	0		
126	L	0	1	1	1	1	1	1	0	0		
127	L	0	1	1	1	1	1	1	1	0		
-	0	0										
-	1	0										

NO CHANGE

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

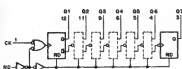
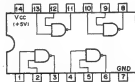


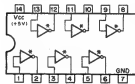
Figure 1 shows a breadboard circuit for a 2-bit adder. The circuit uses two 74LS00 NAND gates and two 74LS04 inverters. The inputs are labeled 1 through 7. The output of the first NAND gate is connected to the output of the first inverter, and the output of the second NAND gate is connected to the output of the second inverter. The output of the first inverter is labeled 'Y' and the output of the second inverter is labeled 'Z'. A legend indicates that '0' represents a LOW LEVEL and '1' represents a HIGH LEVEL.



A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0: LOW LEVEL
1: HIGH LEVEL

Pin diagram of the 74VHC04 hex inverters. The chip has 14 pins. Pin 14 is Vcc (+5V), pin 7 is GND, and pin 6 is Vcc (+5V). The inverters are arranged in a row. The output of each inverter is indicated by a bubble. The logic symbol for an inverter is shown as $A \rightarrow Y = \overline{A}$. The truth table for the inverter is shown as $Y = \overline{A}$. The output levels are defined as 0: LOW LEVEL, 1: HIGH LEVEL. The symbol * indicates an open collector output.



Y = \bar{A}		
A	Y	
0	1	0; LOW LEVEL
1	0	1; HIGH LEVEL
		*: OPEN COLLECTOR

TOP VIEW —

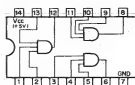
$$A \oplus B = Y$$

$$Y = A \oplus B = A \oplus B$$

$$Y = A \oplus B = A \oplus B$$

A	B	C	Y
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	1

0: LOW LEVEL
1: HIGH LEVEL



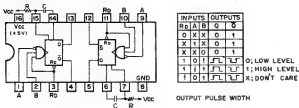
$Y = A \cdot B \cdot C = A + B + C$

A	B	C	Y
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	1
1	1	0	0
1	1	1	1

0; LOW LEVEL
1; HIGH LEVEL

SN74LS123N (T) FLAT PACKAGE
TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR WITH DIRECT RESET

— TOP VIEW —



OUTPUT PULSE WIDTH

$$T_{H(1)} = T_W + 0.28 \left(1 + \frac{R_B}{R_A} \right) C_A$$

$$T_{H(2)} = T_W + 0.33 \left(1 + \frac{R_B}{R_A} \right) C_A$$

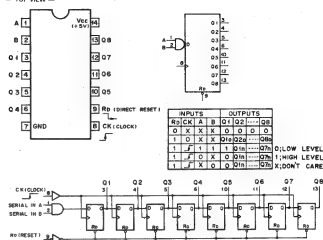
$$T_{H(3)} = T_W + 0.35 \left(1 + \frac{R_B}{R_A} \right) C_A$$

$$T_{H(4)} = T_W + 0.39 \left(1 + \frac{R_B}{R_A} \right) C_A$$

1/32; TW = 0.45CR

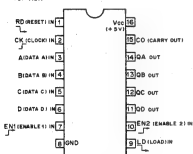
SN74LS164NS (T) FLAT PACKAGE
TTL 8-BIT PARALLEL-OUT SERIAL SHIFT REGISTER

— TOP VIEW —



SN74LS163ANS (T) FLAT PACKAGE
TTL PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER

— TOP VIEW —



CARRY OUTPUT "CO"

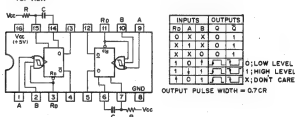
CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

COUNT SEQUENCE

COUNT	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

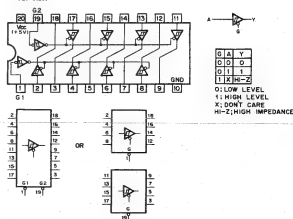
SN74LS221NS (T) FLAT PACKAGE
TTL MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT

— TOP VIEW —



SN74LS244N (T) FLAT PACKAGE
TTL 3-STATE SCHMITT TRIGGER BUFFER/DRIVER

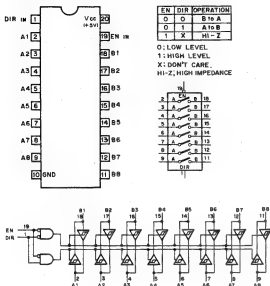
— TOP VIEW —



SN74LS245N (TI)

TTL, BILATERAL SCHMITT TRIGGER BUS TRANSCEIVERS WITH 3-STATE OUTPUT

— TOP VIEW —

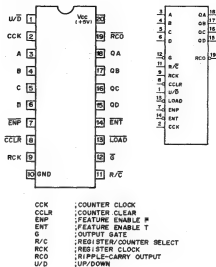


SN74LS697N

TTL SYNCHRONOUS UP/DOWN COUNTERS WITH OUTPUT REGISTERS AND MULTIPLEXED 3-STATE OUTPUTS

(BINARY COUNTER, DIRECT CLEAR)

— TOP VIEW —



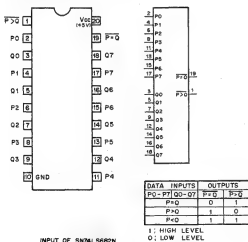
CCK : COUNTER CLOCK
CCLR : COUNTER CLEAR
ENP : FEATURE ENABLE #
ENT : FEATURE ENABLE T
G : OUTPUT GATE
R/C : REGISTER/COUNTER SELECT
RCK : REGISTER CLOCK
RCO : RIFFLE-CARRY OUTPUT
W/D : UP/DOWN

SN74LS683NS (TI) FLAT PACKAGE

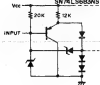
TTL 8-BIT MAGNITUDE COMPARATOR

WITH TOTEM-POLE OUTPUTS

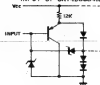
— TOP VIEW —



INPUT OF SN74LS683N



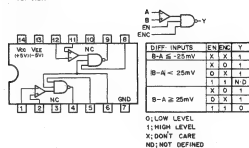
INPUT OF SN74LS683N



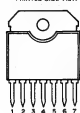
SN75107AN (TI)

LINE RECEIVER

— TOP VIEW —

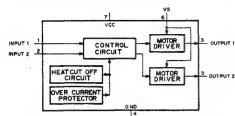


TA7267P (TOSHIBA)
DC MOTOR DRIVER
— PRINTED SIDE VIEW —

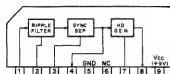


INPUTS/OUTPUTS				MODE
1	2	1	2	
1	1	0	0	BRAKE
0	1	0	1	ROTATION/ REV. ROTATION
1	0	1	0	REV. ROTATION / ROTATION
0	0	1	1	STOP

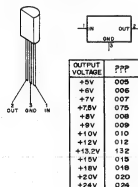
0 : LOW LEVEL
1 : HIGH LEVEL
H-Z : HIGH IMPEDANCE



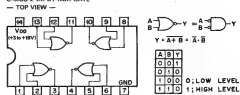
TA7357AP (TOSHIBA)
SYNC SEPARATOR/HD PULSE GENERATOR
— SIDE VIEW —



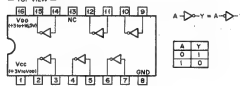
TA78L??TAP (TOSHIBA)
POSITIVE VOLTAGE REGULATOR (150mA)



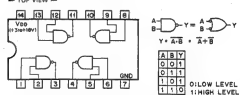
TC4001BF (TOSHIBA) FLAT PACKAGE
TC4001BP (TOSHIBA)
C-MOS 2-INPUT NOR GATE
— TOP VIEW —



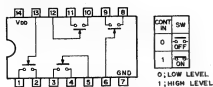
TC4008BP (TOSHIBA)
C-MOS INVERTING TYPE BUFFER/CONVERTER (TO TTL LEVEL)
— TOP VIEW —



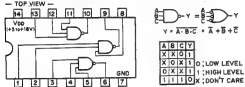
TC4011BF (TOSHIBA) FLAT PACKAGE
C-MOS 2-INPUT NAND GATE
— TOP VIEW —



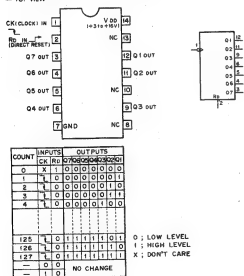
TC4016BP (TOSHIBA)
C-MOS BILATERAL SWITCH
— TOP VIEW —



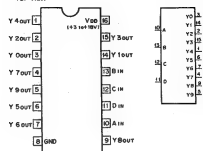
TC4023BF (TOSHIBA) FLAT PACKAGE
C-MOS 3-INPUT NAND GATE
— TOP VIEW —



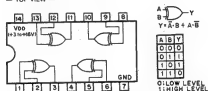
TC4024BF (TOSHIBA) FLAT PACKAGE
C-MOS ASYNCHRONOUS 7-BIT BINARY COUNTER
— TOP VIEW —



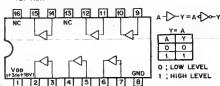
TC4026BF (TOSHIBA) FLAT PACKAGE
C-MOS BCD TO DECIMAL DECODER
— TOP VIEW —



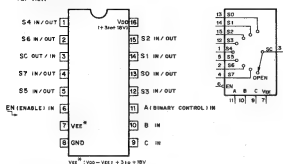
TC4030BF (TOSHIBA) FLAT PACKAGE
TC4030BP (TOSHIBA)
C-MOS EXCLUSIVE OR GATE
— TOP VIEW —



TC4050BF (TOSHIBA) FLAT PACKAGE
TC4050BP (TOSHIBA)
C-MOS NON-INVERTING TYPE BUFFER/CONVERTER
— TOP VIEW —



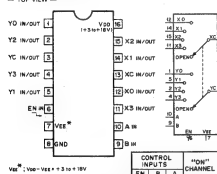
TC4051BF (TOSHIBA) FLAT PACKAGE
C-MOS 8-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —



EN	C	B	A	"ON" CHANNEL
0	0	0	0	0
0	0	0	1	1
0	0	1	0	2
0	0	1	1	3
0	1	0	0	4
0	1	0	1	5
0	1	1	0	6
0	1	1	1	7
1	X	X	X	OPEN

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

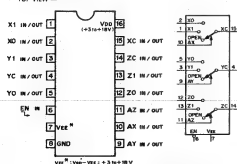
TC4052BF (TOSHIBA) FLAT PACKAGE
C-MOS 4-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —



CONTROL INPUTS				"ON" CHANNEL
EN	B	A		
0	0	0	0	0
0	0	1	1	1
0	1	0	2	2
0	1	1	3	3
1	X	X	X	OPEN

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE.

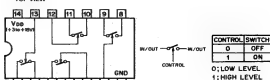
TC4053BF (TOSHIBA) FLAT PACKAGE
TC4053BP (TOSHIBA)
C-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —



CONT. INPUTS		ON CHANNEL
EN	A (X,Y,Z)	
0	0	0
0	1	1
1	X	OPEN

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE.

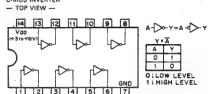
TC4068BF (TOSHIBA)
C-MOS BI-LATERAL ANALOG SWITCH
— TOP VIEW —



CONTROL SWITCH	
0	1
OFF	ON

0: LOW LEVEL
1: HIGH LEVEL

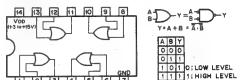
TC4068BUF (TOSHIBA) FLAT PACKAGE
TC4068BUP (TOSHIBA)
C-MOS INVERTER
— TOP VIEW —



Y = X	
A	B
0	0
0	1
1	0
1	1

0: LOW LEVEL
1: HIGH LEVEL

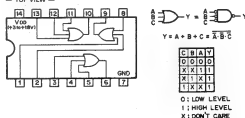
TC4071BF (TOSHIBA) FLAT PACKAGE
TC4071BP (TOSHIBA)
C-MOS 2-INPUT OR GATE
— TOP VIEW —



Y = A + B	
A	B
0	0
0	1
1	0
1	1

0: LOW LEVEL
1: HIGH LEVEL

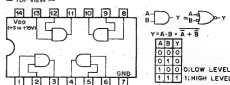
TC4075BF (TOSHIBA) FLAT PACKAGE
C-MOS 3-INPUT OR GATE
— TOP VIEW —



Y = A + B + C		
A	B	C
0	0	0
0	0	1
0	1	0
0	1	1
1	0	0
1	0	1
1	1	0
1	1	1

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

TC4081BF (TOSHIBA) FLAT PACKAGE
C-MOS 2-INPUT AND GATE
— TOP VIEW —



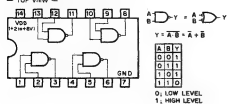
Y = A · B	
A	B
0	0
0	1
1	0
1	1

0: LOW LEVEL
1: HIGH LEVEL

TC40H00F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT NAND GATE

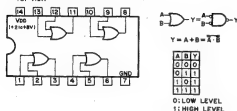
— TOP VIEW —



TC40H032F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT POSITIVE-OR GATE

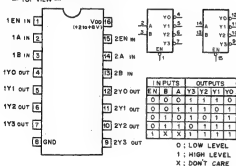
— TOP VIEW —



TC40H139F (TOSHIBA) FLAT PACKAGE

C-MOS 3-TO-4-LINE DECODER/MULTIPLIER

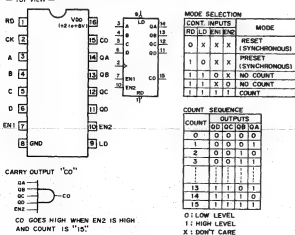
— TOP VIEW —



TC40H163F (TOSHIBA) FLAT PACKAGE

C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER

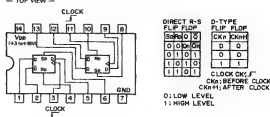
— TOP VIEW —



TC5040139F (TOSHIBA) FLAT PACKAGE

C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET

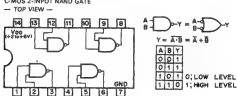
— TOP VIEW —



TC74H00F (TOSHIBA) FLAT PACKAGE

C-MOS 2-INPUT NAND GATE

— TOP VIEW —



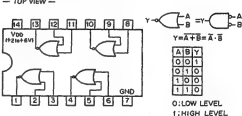
TC74H002F (TOSHIBA) FLAT PACKAGE

TC74H002P (TOSHIBA)

*UPO74H002C (NEG)

C-MOS 2-INPUT POSITIVE-NOR GATE

— TOP VIEW —



TC74HC04F (TOSHIBA) FLAT PACKAGE

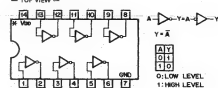
TC74HC04P (TOSHIBA)

TC74HC04AF (TOSHIBA) FLAT PACKAGE

TC74HC04AP (TOSHIBA)

C-MOS INVERTER

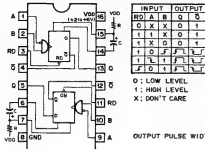
— TOP VIEW —



* VDD: NC, HCU; +2V to +6V
NCT: +5V

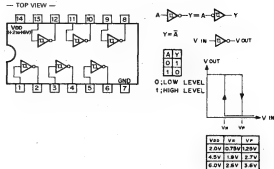
TC74HC123F (TOSHIBA) FLAT PACKAGE
C-MOS DUAL RETRIGGERABLE MONOSTABLER

— TOP VIEW —



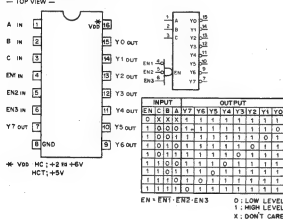
TC74HC14F (TOSHIBA) FLAT PACKAGE
TC74HC14P (TOSHIBA)
C-MOS SCHMITT TRIGGER INVERTER

— TOP VIEW —



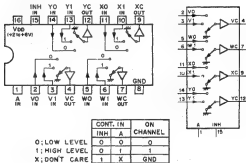
TC74HC138F (TOSHIBA) FLAT PACKAGE
TC74HC138P (TOSHIBA)
C-MOS 3-TO-8 LINE DECODER/MULTIPLEXER

— TOP VIEW —



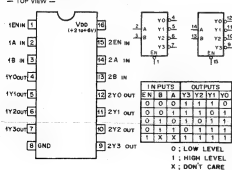
TC74HC157P (TOSHIBA)
C-MOS 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER

— TOP VIEW —



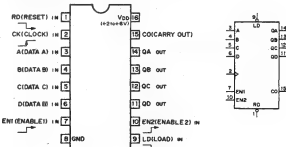
TC74HC138F (TOSHIBA) FLAT PACKAGE
TC74HC138P (TOSHIBA)
C-MOS 3-TO-8 LINE DECODER/MULTIPLEXER

— TOP VIEW —



TC74HC160F (TOSHIBA) FLAT PACKAGE
C-MOS SYNCHRONOUS PRESETTABLE 4-BIT DECADE COUNTER

— TOP VIEW —

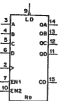
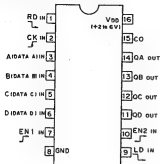


MODE SELECTION						MODE
RD	LD	EN1	EN2	CK		
0	X	X	X	X		RESET
1	0	X	X	X		PRESET
1	1	0	X	X		NO COUNT
1	1	X	0	X		NO COUNT
1	1	1	1	1		COUNT

Q: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

TC74HC163F (TOSHIBA) FLAT PACKAGE
C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER

— TOP VIEW —



MODE SELECTION

CONTROL INPUTS				MODE
Rd	LD	EN1	EN2	
0	X	X	X	RESET (SYNCHRONOUS)
1	0	X	X	PRESET (SYNCHRONOUS)
1	1	0	X	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

CARRY OUTPUT "CO"



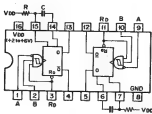
CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

COUNT SEQUENCE

COUNT	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

TC74HC221F (TOSHIBA) FLAT PACKAGE
C-MOS MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT

— TOP VIEW —



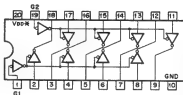
INPUTS			OUTPUTS	
R _D	A	B	Q	Q̄
0	X	X	0	1
X	1	X	0	1
X	X	0	0	1
1	0	1	1	0
1	1	1	1	0
1	0	1	1	0

OUTPUT PULSE WIDTH:

OUTPUT PULSE WIDTH = 0.7CR

TC74HC240P (TOSHIBA)
C-MOS 3-STATE INVERTER/LINE DRIVER

— TOP VIEW —



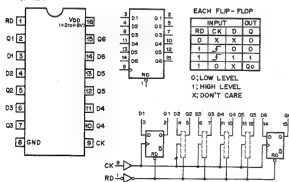
N VDD HC: +2 to +6V
HCT: +5V

INPUT	OUTPUT
A	Y
0	1
1	0
1	X
1	X
1	X
1	X
1	X
1	X

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE
HI-Z: HIGH IMPEDANCE

TC74HC174F (TOSHIBA) FLAT PACKAGE
C-MOS D-TYPE FLIP-FLOP WITH RESET

— TOP VIEW —



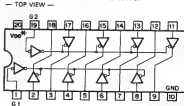
EACH FLIP-FLOP

INPUT			OUT
RD	CK	D	Q
0	X	X	0
1	0	0	0
1	1	1	1
1	0	X	Q ₀

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

TC74HC244F (TOSHIBA) FLAT PACKAGE
TC74HC244P (TOSHIBA)
C-MOS BUS BUFFER WITH 3-STATE OUTPUT

— TOP VIEW —



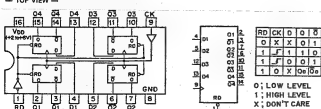
N VDD HC: +2 to +6V
HCT: +5V

INPUT	OUTPUT
A	Y
0	1
1	0
1	X
1	X
1	X
1	X
1	X

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE
HI-Z: HIGH IMPEDANCE

TC74HC175F (TOSHIBA) FLAT PACKAGE
C-MOS D-TYPE FLIP-FLOP WITH RESET

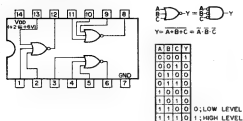
— TOP VIEW —



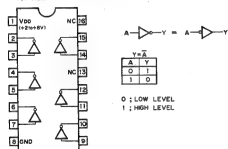
01	01	2
02	01	3
02	02	4
03	02	5
03	03	6
04	03	7
	04	8

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

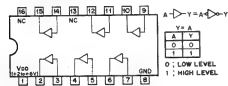
TC74HC27F (TOSHIBA) FLAT PACKAGE
C-MOS 3-LINE POSITIVE-NOR GATE
— TOP VIEW —



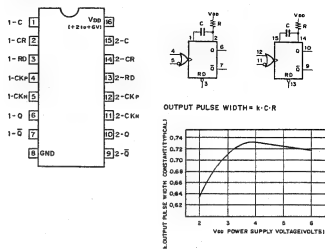
TC74HC409F (TOSHIBA) FLAT PACKAGE
C-MOS HEX BUFFER/CONVERTER (INVERTING)
— TOP VIEW —



TC74HC406F (TOSHIBA) FLAT PACKAGE
TC74HC4060P (TOSHIBA)
C-MOS NON-INVERTING TYPE BUFFER/CONVERTER
— TOP VIEW —



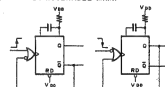
TC74HC4538P (TOSHIBA)
C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
— TOP VIEW —



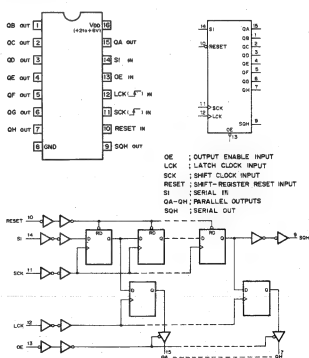
RETRIGGERABLE M.M.V.



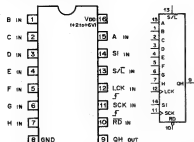
NON-RETRIGGERABLE M.M.V.



TC74HC595P (TOSHIBA)
C-MOS 8-BIT SERIAL-INPUT/SERIAL-OR PARALLEL-OUTPUT
SHIFT REGISTER WITH LATCHED 3-STATE OUTPUT
— TOP VIEW —



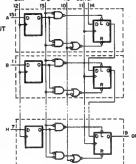
TC74HC597P (TOSHIBA)
CMOS 8-BIT LATCH/SHIFT REGISTER
— TOP VIEW —



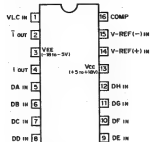
SI : SERIAL DATA INPUT
S/C : SERIAL SHIFT/PARALLEL LOAD INPUT
LCK : LATCH CLOCK INPUT
SCK : SHIFT CLOCK INPUT
RD : RESET INPUT
A-H : PARALLEL DATA INPUTS

INPUTS				OUTPUT	
RD	LD	LCK	SCK	SI	QH
0	X	X	X	X	Q
1	1	1	1	1	Q
1	0	1	1	1	Q
1	1	1	1	1	Q

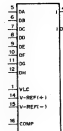
0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE
Q-h : DATA AT INPUTS A-H, RESPECTIVELY



TD62901P (TOSHIBA)
HIGH SPEED 8-BIT D/A CONVERTER
— TOP VIEW —



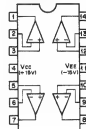
COMP : COMPENSATION
DA - DH : BINARY DATA
I : COMPLEMENTARY CURRENT
V-REF : REFERENCE VOLTAGE
VLC : THRESHOLD LEVEL CONTROL



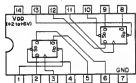
TL082CP (TI)
TL082CPS (TI) FLAT PACKAGE
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



TL084CN (TI)
TL084CNS (TI) FLAT PACKAGE
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



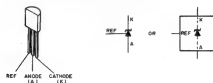
TC74HC74F (TOSHIBA) FLAT PACKAGE
CMOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —



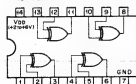
INPUTS				OUTPUTS	
SD	SD	Q	Q-h	Q	Q-h
0	1	1	0	1	0
0	0	1	1	1	1
0	0	0	1	1	1
1	1	1	0	1	0
1	1	0	1	1	0
1	1	0	0	1	1
1	1	0	0	1	1

0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE
1* : NONSTABLE

TL431CLPB (TI)
ADJUSTABLE PRECISION SHUNT REGULATOR



TC74HC86F (TOSHIBA) FLAT PACKAGE
CMOS EXCLUSIVE OR GATE
— TOP VIEW —

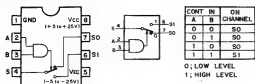


A-B-Y
Y=A-B+A-B

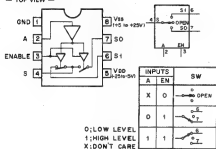
A	B	Y
0	0	1
0	1	0
1	0	0
1	1	1

0 : LOW LEVEL
1 : HIGH LEVEL

TL601CPS (TI) FLAT PACKAGE
P-MOS ANALOG SWITCH
— TOP VIEW —



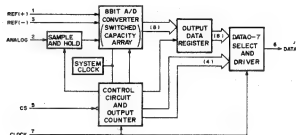
TL607CPS (TI) FLAT PACKAGE
P-MOS ANALOG SWITCH
— TOP VIEW —



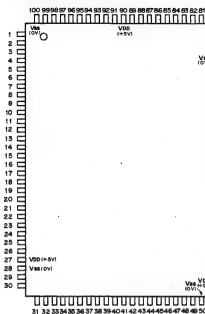
TLC27M2CPS (TI) FLAT PACKAGE
OPERATIONAL AMPLIFIER
— TOP VIEW —



TLC548CP (TI)
C-MOS 8 BIT A/D CONVERTER
— TOP VIEW —

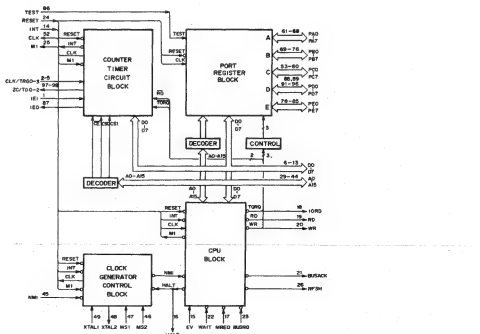


TMF284C011AF (TOSHIBA)
 TMF284C011AF-6 (TOSHIBA)
 C-MOS 8 BIT MICROPROCESSOR
 — TOP VIEW —

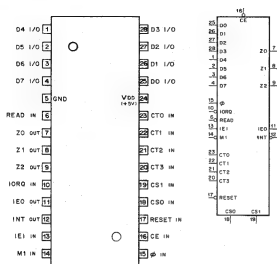


NO.	IN	OUT	SYMBOL	NO.	IN	OUT	SYMBOL
1	○		IE1	51			CLK
2	○		CLK/TRIG2	52			PC7
3	○		CLK/TRIG2	53			PC6
4	○		CLK/TRIG1	54			PC5
5	○		CLK/TRIG1	55			PC4
6	○		DT	56			PC3
7	○		D6	57			PC2
8	○		D5	58			PC1
9	○		D4	59			PC0
10	○		D3	60			PA7
11	○		D2	61			PA6
12	○		D1	62			PA5
13	○		D0	63			PA4
14	○		INT	64			PA3
15	○		EV	65			PA2
16	○		HALT	66			PA1
17	○		MSREQ	67			PA0
18	○		IOREQ	68			PB6
19	○		TRG	69			PB5
20	○		WR	70			PB4
21	○		TESTREQ	71			PB3
22	○		BUSREQ	72			PB2
23	○		RESET	73			PB1
24	○		MI	74			PB0
25	○		RFST	75			VDD
26	○		VDD	76			PET
27	○		VDD	77			PE6
28	○		VDD	78			PE5
29	○		A0	79			PE4
30	○		A1	80			PE3
31	○		A2	81			PE2
32	○		A3	82			PE1
33	○		A4	83			PE0
34	○		A5	84			PEZ
35	○		A6	85			PEO
36	○		A7	86			TEST
37	○		A8	87			IEO
38	○		A9	88			P07
39	○		A10	89			P06
40	○		A11	90			P05
41	○		A12	91			P04
42	○		A13	92			P03
43	○		A14	93			P02
44	○		A15	94			P01
45	○		MS1	95			P00
46	○		MS2	96			TEST
47	○		MS1	97			TEST
48	○		XTAL2	98			TEST
49	○		XTAL1	99			TEST
50	○		VDD	100			TEST

AD	AD	AD-A15; 3-STATE ADDRESS BUS OUTPUTS
A1	A1	BUSACK; BUS ACKNOWLEDGE OUTPUT
A2	A2	BUSREQ; BUS REQUEST INPUT
A3	A3	CLK; CLOCK OUTPUT
A4	A4	CLK/TRIG0-3; EXTERNAL CLOCK / TIMER TRIGGER0-3 INPUTS
A5	A5	DO-D7; 3-STATE DATA BUS INPUTS/OUTPUTS
A6	A6	EV; EVALUATOR INPUT
A7	A7	HALT; HALT OUTPUT
A8	A8	IE/IED; CTC INTERRUPT ENABLE INPUT/OUTPUT
A9	A9	INT; MASKABLE INTERRUPT REQUEST INPUT
A10	A10	IOREQ; 3-STATE I/O REQUEST OUTPUT
A11	A11	M1; 3-STATE MACHINE CYCLE 1 OUTPUT
A12	A12	MSREQ; 3-STATE REQUEST OUTPUT
A13	A13	MS1/MS2; MODE SELECT 1/2 INPUTS
A14	A14	NMI; NON-MASKABLE INTERRUPT REQUEST INPUT
A15	A15	PA0-PA7; 3-STATE I/O PORT
AD	AD	PC0-PC7; 3-STATE I/O PORT
AD	AD	PDO-PD7; 3-STATE I/O PORT
AD	AD	RD; 3-STATE READ OUTPUT
AD	AD	RESET; RESET INPUT
AD	AD	RFST; REFRESH OUTPUT
AD	AD	TEST; TEST INPUT
AD	AD	WAIT; WAIT REQUEST INPUT
AD	AD	WR; 3-STATE WRITE OUTPUT
AD	AD	ZC/T00-2; ZERO COUNT/TIME OUT 0-2 OUTPUTS



TMPC284C30AP-6 (TOSHIBA)
C-MOS COUNTER/TIMER CIRCUIT
— TOP VIEW —

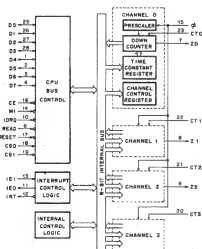


ϕ : SYSTEM CLOCK
CE : CHIP ENABLE
CS0, CS1 : CHANNEL SELECT
CT0-CT3 : EXTERNAL CLOCK/TIMER TRIGGER
DO-DT : 3-STATE DATA INPUT/OUTPUT
IE1 : INTERRUPT ENABLE INPUT
IE0 : INTERRUPT ENABLE OUTPUT
INT : INTERRUPT REQUEST (OPEN DRAIN)
IORQ : I/O REQUEST
M1 : MACHINE CYCLE 1
READ : READ CYCLE STATUS
Z0-Z2 : ZERO COUNT/TIME OUT

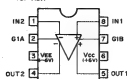
CHANNEL SELECT FUNCTION

CS1	CS0	SELECTED CHANNEL
0	0	0
0	1	1
1	0	2
1	1	3

0: LOW LEVEL
1: HIGH LEVEL



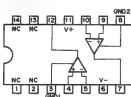
uPC1963G (NEC) FLAT PACKAGE
WIDEBAND VIDEO AMPLIFIER
— TOP VIEW —



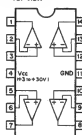
uPC311G2 (NEC) FLAT PACKAGE
VOLTAGE COMPARATOR
— TOP VIEW —



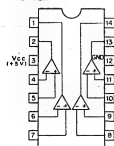
uPC319G2 (NEC) FLAT PACKAGE
VOLTAGE COMPARATOR
— TOP VIEW —



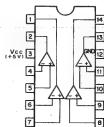
uPC324C (NEC)
QUAD OP. AMPLIFIER
— TOP VIEW —



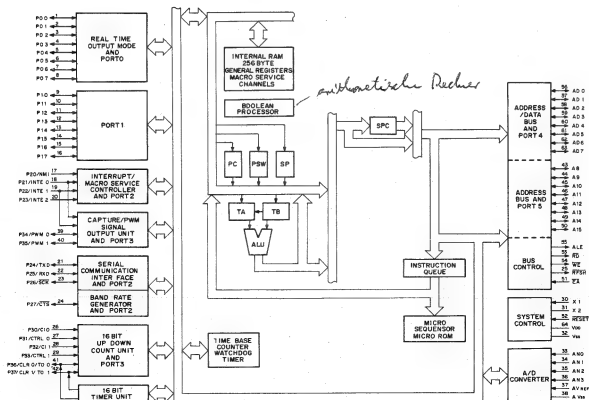
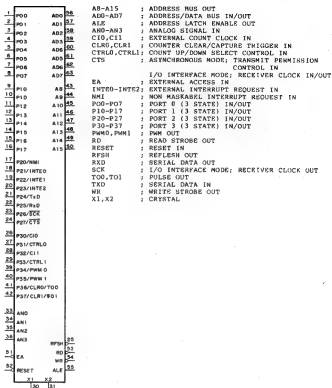
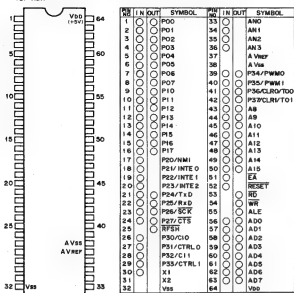
uPC339C (NEC)
COMPARATOR
— TOP VIEW —



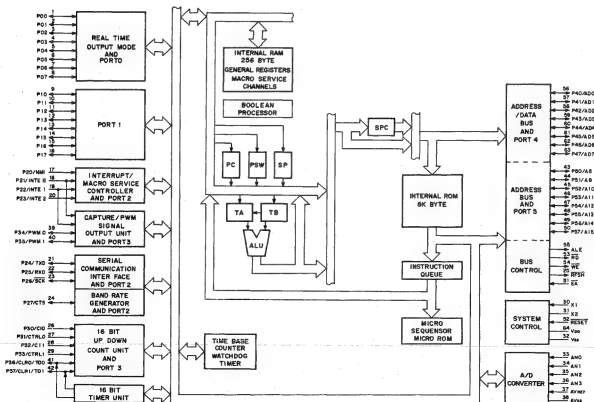
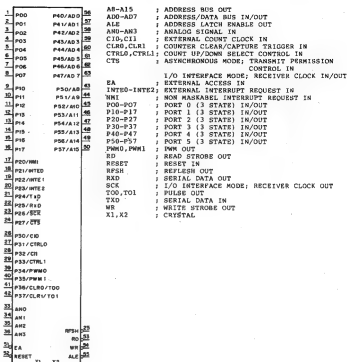
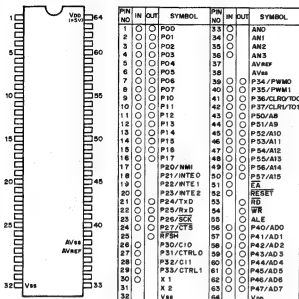
uPC339G2 (NEC) FLAT PACKAGE
COMPARATOR
— TOP VIEW —



µPD7810CW (NEC)
C MOS 16/8 BIT ONE CHIP MICROCOMPUTER
— TOP VIEW —



μPD78312CW (NEC)
C MOS 16/8 BIT ONE CHIP MICROCOMPUTER
— TOP VIEW —



TRANSISTOR, (OTHER)



2SA1048



2SA1115A



2SA1122
2SA1182
2SA1220
2SA112



2SA1141
2SA1186
2SB465A



2SA1175



2SA473
2SA158
2SB553



2SA733
2SA944



2SA911



2SB1115A



2SB733
2SB734



2SB822



2SC1173
2SC2654



2SC1310
2SC2400
2SC2403
2SC4035P
2SC345P



2SC1653
2SC2553
2SC2712
2SC2757
2SC326N



2SC3012



2SC2259



2SC2764
2SC2878



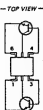
2SC2785



2SC3001



2SC3012



2SC3064



2SD1055



2SD1615A



2SD659A



2SD772
2SD774



2E0889



2SK209
2SK94



2SK389



SUBSTRATE



DTA114EK (R1=10K, R2=10K)
DTA114TK (R1=10K, R2=10K)
DTA124EK (R1=22K, R2=22K)
DTA144EK (R1=47K, R2=47K)



DTA124EK (R1=22K, R2=22K)
DTA124TK (R1=22K, R2=22K)



DTA144EF (R1=47K, R2=47K)

TOP VIEW



DTB123EK (R1=2.2K, R2=2.2K)



DTC124EK (R1=22K, R2=22K)
DTC144EK (R1=47K, R2=47K)
DTC144WK (R1=47K, R2=22K)



DTC124ES (R1=22K, R2=22K)
DTC124XS (R1=22K, R2=47K)

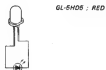
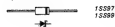
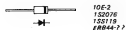


DTC144EF (R1=47K, R2=47K)



TOP VIEW TX429M

DIODE, (OTHER)



TOP VIEW



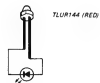
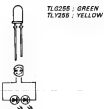
LB-402VK : RED



LN25RP : RED



RD 7 7MB




The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

SECTION 19 SPARE PARTS AND FIXTURE

19-1. PARTS INFORMATION

1.

The shaded and -marked components are critical to safety.


Replace only with the same components as specified.

2. Replacement parts supplied from the Sony Parts Center will sometimes have a different shape and outside view from the parts which are used in the unit. This is due to "accommodating improved parts and/or engineering changed" or "standardization of genuine parts".
3. This manual's exploded views and electrical spare parts lists indicate the part numbers of "the present standardized genuine parts".
4. Regarding engineering part changes by our engineering department, refer to Sony service bulletins and service manual supplements.
3. The parts marked with "s" in the SP column of the exploded views and electrical spare parts lists are normally stocked for replacement purposes. The parts marked with "o" in the SP column are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.
4. Items with no part number and/or no description are not stocked because they are seldom required for routine service.
5. (T) after a spring description is shown on the exploded views in order to indicate the number of spring turns required for the use.
(example)
Spring, tension (24T); this spring must be cut at its 24th turn for actual use.

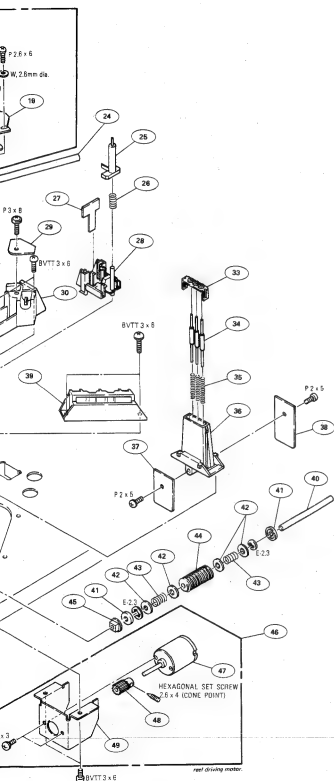
19-2. EXPLODED VIEW

Exploded views are composed of the following blocks.

1. Supply Side Reel Chassis
 - supply reel table
 - supply motor plate
 - reel motor
 - reel drive motor
 - cassette detector
2. Take-up Side Reel Chassis
 - take-up reel table
 - take-up motor plate
 - reel motor
 - cassette detector
3. Head Drum, Stationary Heads and Tape Guides Block
 - head drum ass'y
 - CTL head
 - full erase head
 - audio/TC heads
 - audio confidence heads
 - tape guide
 - capstan motor
 - slip ring
4. Threading Ring Block
 - threading ring
 - pinch roller
 - tape guide
 - ring sensor
5. T Drawer Arm Block
 - T drawer arm
 - tape beginning sensor
6. Supply Tension Regulator Block
 - supply tension regulator
7. Pinch Press Mechanism Block
 - pinch press mechanism
8. Gear Box Block
 - gear box
9. Function control Chassis Block
 - function control chassis
 - sub function control panel
 - search dial
 - hinge

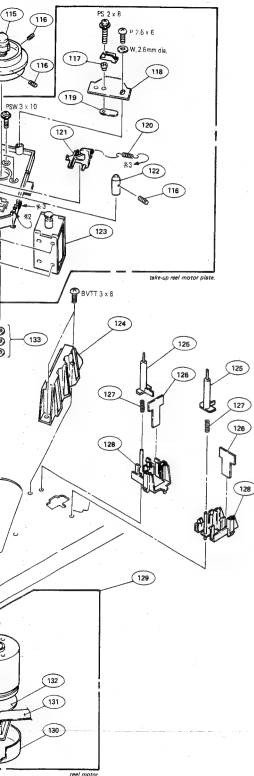
- 
10. Level Control Chassis Block
 - level control chassis
 - audio level meter
 11. Cassette-up Compartment Block
 - cassette-up compartment
 12. Connector Panel Block
 - connector panel
 - ventilation fun
 13. Switching Regulator Block
 - switching regulator
 - AC inlet
 - ventilation fun
 14. Printed Circuit Board Block (1)
 - printed circuit board
 - PCB guide
 - shield plate
 15. Printed Circuit Board Block (2)
 - printed circuit board
 16. Ornamental Panel Block
 - level control panel
 - function control panel
 - side panel
 - top panel
 - bottom panel

REEL CHASSIS (1)

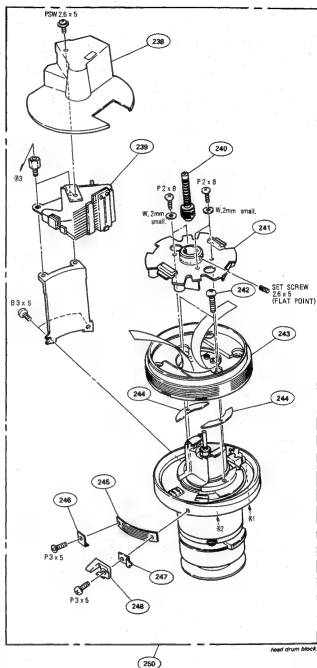
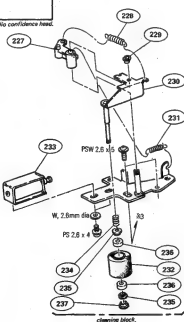
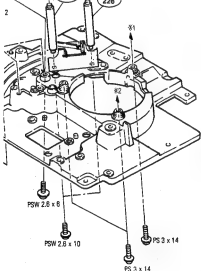
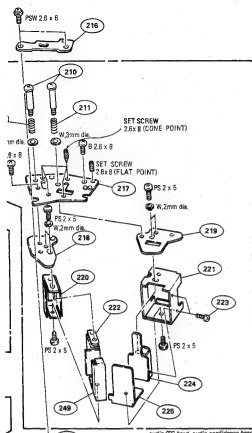


No.	Part No.	SP	Description
1	1-622-599-11	o	PRINTED CIRCUIT BOARD, PTC-21
2	3-717-221-01	o	BRACKET, PTC-21
3	3-717-400-01	s	GEAR, CRANK FLAT
4	3-717-205-01	o	HOLDER (B), SHAFT
5	3-717-222-01	s	CAP (L), CS SHAFT
6	A-6737-174-A	s	PLATE (S) ASS'Y, MOTOR
7	1-454-417-31	s	SOLENOID, PLUNGER
8	3-717-230-01	o	BRACKET, LIMITER
9	X-3717-204-1	o	ARM (B) ASS'Y, CRANK
10	3-701-506-01	s	SET SCREW, DOUBLE POINT 3 x 4
11	3-717-266-01	o	CAP (S), CC SHAFT
12	3-535-532-01	s	SPRING TENSION (ST)
13	A-6741-066-A	o	BRAKE ASS'Y
14	3-648-217-00	o	SPRING TENSION
15	X-3717-205-1	s	LINING ASS'Y
16	3-307-381-01	s	SPRING, TENSION
17	X-3717-207-1	s	TABLE ASS'Y, REEL
18	3-717-232-01	o	SHAFT, FITTING, MR SENSOR
19	1-622-606-11	o	PRINTED CIRCUIT BOARD, DE-15
20	3-717-233-01	o	BRACKET, DE-15
21	3-717-450-01	o	ARM, BRAKE RELEASE
22	3-717-231-01	o	HOLDER, LIMITER
23	3-491-247-00	s	SPRING, COMPRESSION
24	3-717-223-01	s	SHAFT, SLIDE
25	3-717-218-01	o	LEVER, MR
26	4-880-426-00	o	SPRING, COMPRESSION
27	1-622-600-11	o	PRINTED CIRCUIT BOARD, PTC-23
28	3-717-462-01	o	HOLDER, REC INHIBIT
29	3-717-224-01	s	RETAINER, SHAFT, SLIDE
30	3-717-208-01	o	HOLDER (A), SHAFT
31	3-717-399-01	s	WHEEL, W
32	X-3717-202-1	o	ARM ASS'Y, CRANK
33	3-717-207-01	o	COVER, M/C DETECTION HOLDER
34	3-717-206-01	s	LEVER, M/C DETECTION
35	3-554-202-00	o	SPRING, COMPRESSION
36	3-717-426-01	s	HOLDER, M/C DETECTION
37	1-622-601-11	o	PRINTED CIRCUIT BOARD, PTC-36
38	1-622-598-11	o	PRINTED CIRCUIT BOARD, PTC-20
39	3-717-398-01	o	TABLE, SLIDE
40	3-717-211-01	o	SHAFT, WORM
41	3-717-213-01	o	WASHER (A), WORM
42	3-717-212-01	o	WASHER (B), WORM
43	3-659-324-00	s	SPRING, COMPRESSION
44	3-717-210-01	s	WORM
45	3-717-214-01	o	BEARING, WORM
46	A-6737-173-A	o	MOTOR ASS'Y, REEL DRIVING
47	8-835-179-01	o	MOTOR, DC MCB2B15
48	3-717-220-01	o	PULLEY (S), TIMING
49	3-717-219-01	o	BRACKET, MOTOR
50	X-3717-201-1	o	PULLEY (L) ASS'Y, TIMING
51	3-717-542-01	s	BELT, TIMING
52	A-6737-175-A	o	MOTOR ASS'Y, REEL
53	3-675-826-00	o	COVER, SHIELD, RM
54	1-559-266-11	o	WIRE, FLEXIBLE CARD
55	1-622-605-11	o	PRINTED CIRCUIT BOARD, RM-40
56	3-701-441-01	s	WASHER, POLY 4MM DIA. 0.13T
	3-701-441-11	s	WASHER, POLY 4MM DIA. 0.25T
	3-701-441-21	s	WASHER, POLY 4MM DIA. 0.5T
57	3-717-625-01	s	SPACER

REEL CHASSIS (2)



No.	Part No.	SP	Description
101	3-717-205-01	o	HOLDER (R), SHAFT
102	3-717-400-01	o	CRANK, CRANK PLAT
103	X-3717-202-1	o	ARM ASS'Y, CRANK
104	3-717-399-01	o	WHEEL, W
105	3-717-223-01	o	SHAFT, SLIDE
106	A-6737-176-A	o	PLATE (T) ASS'Y, MOTOR
107	3-717-230-01	o	BRACKET, LIMITER
108	X-3717-204-1	o	ARM (R) ASS'Y, CRANK
109	3-717-231-01	o	HOLDER, LIMITER
110	3-491-247-00	o	SPRING, COMPRESSION
111	A-6741-066-A	o	BRAKE ASS'Y
112	3-307-381-01	o	SPRING, TENSION
113	X-3717-205-1	o	LINING ASS'Y
114	3-648-217-00	o	SPRING, TENSION
115	X-3717-207-1	o	TABLE ASS'Y, REEL
116	3-701-506-01	o	SET SCREW, DOUBLE POINT 3 x 4
117	3-717-232-01	o	SHAFT, FITTING, MR SENSOR
118	1-622-606-11	o	PRINTED CIRCUIT BOARD, DE-15
119	3-717-233-01	o	BRACKET, DE-15
120	3-535-532-01	o	SPRING, TENSION
121	3-717-450-01	o	ARM, BRAKE RELEASE
122	3-717-266-01	o	CAP (S), CG SHAFT
123	1-454-417-31	o	SOLENOID, FLUNGER
124	3-717-398-01	o	TABLE, SLIDE
125	3-717-218-01	o	LEVER, MR
126	1-622-600-11	o	PRINTED CIRCUIT BOARD, PTC-23
127	4-880-426-00	o	SPRING, COMPRESSION
128	3-717-462-01	o	HOLDER, REC INHIBIT
129	A-6737-175-A	o	MOTOR ASS'Y, REEL
130	3-675-826-01	o	COVER, SHIELD, RM
131	1-559-266-11	o	WIRE, FLEXIBLE CARD
132	1-622-605-11	o	PRINTED CIRCUIT BOARD, RM-40
133	3-701-441-01	o	WASHER, POLY 4MM DIA. 0.13T
	3-701-441-11	o	WASHER, POLY 4MM DIA. 0.25T
	3-701-441-21	o	WASHER, POLY 4MM DIA. 0.5T
134	3-717-625-01	o	SPACER



No.	Part No.	SP	Description
201	8-835-259-01	■	MOTOR, DC BHP-1918A
202	A-6736-062-B	■	HEAD ASS'Y, FE
203	3-717-402-02	○	DECK, FE
204	8-825-770-72	■	HEAD, FE EF291-21
205	1-543-316-21	■	HEAD, SENSING (SMALL TYPE)
206	2-279-715-01	■	RIVET, NYLON
207	3-717-272-01	○	HOLDER, S SENSOR
208	A-6746-027-A	■	ROLLER (TO 1W) ASS'Y, TAPE
209	A-6736-061-A	○	HEAD ASS'Y CTL
210	3-437-173-02	○	SCREW, HEAD ADJUSTING
211	3-653-350-00	■	SPRING, COMPRESSION
212	3-717-522-01	○	BASE, CTL HEAD
213	3-675-842-00	○	PLATE, ADJUSTMENT, CTL
214	8-825-554-73	■	HEAD, CTL PS244-21A
215	A-6736-060-A	○	HEAD ASS'Y AD
216	3-717-243-03	○	PLATE, ADJUSTMENT, AT HEAD
217	3-717-238-01	○	DECK, HEAD
218	3-717-236-01	○	BRACKET, CF HEAD
219	3-717-234-01	○	BRACKET, AT HEAD
220	3-717-521-01	○	CASE, SHIELD, CF
221	3-717-235-01	○	CASE (1), SHIELD, AT
222	8-825-771-11	■	HEAD AUDIO CONF. PS244-2103C
223	3-703-502-A1	■	SCREW
224	8-825-623-21	■	HEAD EPS244-2103B
225	3-717-237-01	○	CASE (2), SHIELD, AT
226	3-675-804-02	○	BRACKET, ADJUSTMENT PLATE
227	3-680-839-01	○	LEVER (2), C
228	3-542-475-00	■	SPRING, TENSION
229	3-703-074-00	○	CAP 3, SHAFT
230	X-3675-854-1	○	LEVER ASS'Y, C
231	3-140-263-XX	■	SPRING, TENSION (23T)
232	X-3675-858-1	■	ROLLER SUB ASS'Y, C
233	1-454-372-11	■	SOLENOID, PLUNGER
234	4-879-762-00	■	SPRING, COMPRESSION
235	3-655-966-00	■	SPACER, STEP
236	3-650-312-00	■	BEARING, BALL (NO FLANGE)
237	3-703-075-00	○	CAP 2, SHAFT
238	3-717-131-01	○	COVER, BRUSH
239	A-6050-509-A	■	BRUSH ASS'Y
240	A-6050-507-A	■	RING ASS'Y
241	A-6711-801-A	○	MOUNTED CIRCUIT BOARD, PA-68
242	3-683-825-01	■	SCREW (M3 x 10)
243	A-6762-333-A	■	UPPER DRUM ASS'Y, DBR-02-R
244	3-683-828-01	■	SPACER, FLANGE (T=0.01MM)
	3-683-828-11	■	SPACER, FLANGE (T=0.03MM)
	3-683-828-21	■	SPACER, FLANGE (T=0.1MM)
245	1-586-633-00	■	DETECTOR, DEV
246	3-655-631-00	○	TERMINAL, GROUND
247	3-675-701-00	○	TERMINAL BOARD
248	3-675-739-00	○	SPACER, INSULATING (2)
249	3-717-523-01	○	PLATE, SHIELD, CF
250	A-6050-524-A	■	HEAD DRUM ASS'Y, DBR-02A-R
251	2-236-956-00	■	SCREW, STEP

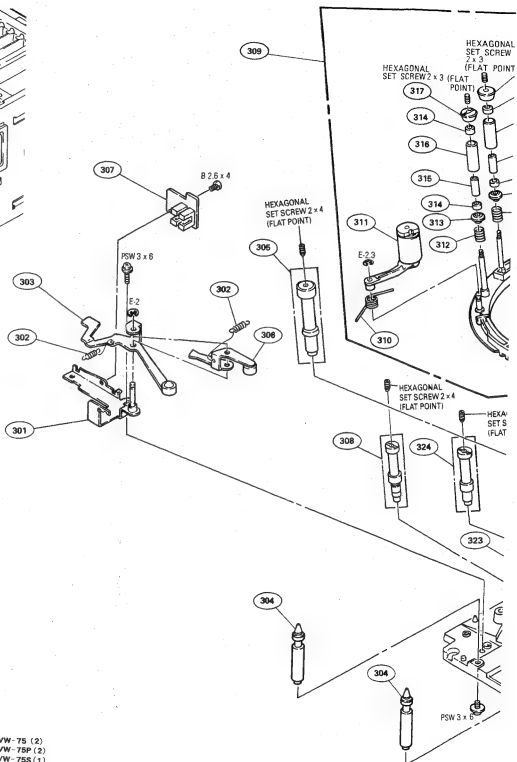
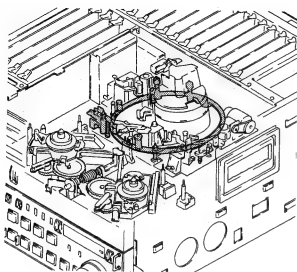
ET SCREW
#15
PLAT POINT)

243

244

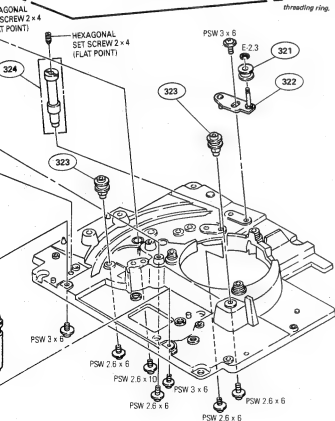
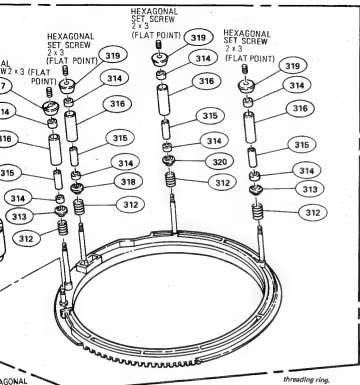
W/ drum block

reading Ring Block

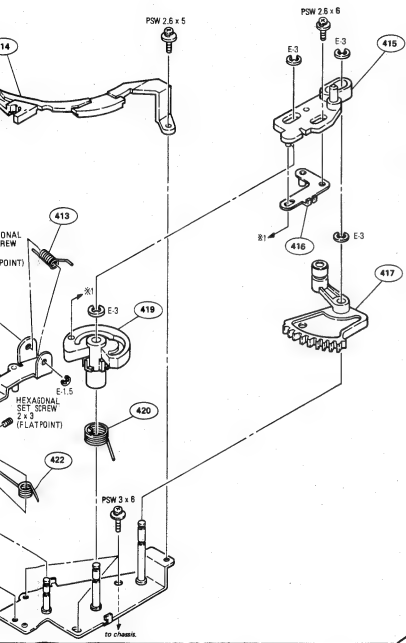


BVW-75 (2)
 BVW-75P (2)
 BVW-75S (1)
 BVW-75PM (1)

THREADING RING



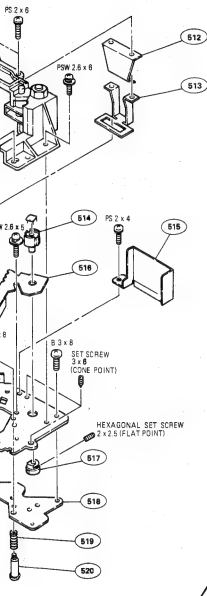
No.	Part No.	SP	Description
301	X-3717-210-1	o	BRACKET ASS'Y, RING SENSOR
302	3-533-373-00	o	SPRING, TENSION
303	X-3717-211-1	o	LEVER ASS'Y, TH END
304	3-717-242-01	o	SHAFT, CG
305	A-6746-030-C	o	ROLLER (TG4) ASS'Y, TAPE
306	X-3717-212-1	o	LEVER ASS'Y, TH.B END
307	1-622-597-11	o	PRINTED CIRCUIT BOARD, PTC-15
308	A-6746-028-A	o	ROLLER (TC2) ASS'Y, TAPE
309	A-6750-214-C	o	RING ASS'Y, LOADING
310	3-717-028-A	o	SPRING
311	X-3717-215-1	o	ARM ASS'Y, PINCH ROLLER
312	3-637-331-00	o	SPRING, COMPRESSION (1)
313	3-680-812-00	o	FLANGE, LOWER
314	3-650-312-00	o	BEARING, BALL (NO FLANGE)
315	3-680-809-00	o	RETAINER, BEARING
316	3-680-810-00	o	ROLLER
317	3-717-269-01	o	FLANGE, PRECEDING GUIDE
318	3-717-270-01	o	FLANGE (A), LOWER
319	3-717-267-01	o	FLANGE, UPPER
320	3-717-271-01	o	FLANGE (B), LOWER
321	3-675-866-00	o	ROLLER, RING
322	X-3717-208-1	o	ROLLER (B) SUB ASS'Y, RING
323	3-3675-809-00	o	ROLLER (A) ASS'Y, RING
324	A-6746-029-C	o	ROLLER (TG3) ASS'Y, TAPE



No.	Part No.	SP	Description
401	3-717-524-01	o	BRACKET, T ROLLER ASS'Y
402	X-3717-224-1	o	BASE ASS'Y, T ROLLER
403	2-618-901-00	o	SPRING
404	3-717-293-01	s	FLANGE, LOWER
405	3-650-312-00	s	BEARING, BALL (NO FLANGE)
406	3-717-294-01	o	RETAINER, BEARING
407	3-717-292-01	s	ROLLER, GUIDE
408	3-717-267-01	s	FLANGE, UPPER
409	1-543-316-21	s	HEAD, SENSING (SMALL TYPE)
410	2-279-715-01	s	RIVET, NYLON
411	3-717-537-01	o	HOLDER, SENSOR
412	X-3717-222-1	s	GUIDE ASS'Y, SLANT
413	3-717-284-01	o	SPRING (SLANT GUIDE)
414	3-717-407-01	s	RETAINER, PINCH
415	3-717-536-01	o	SLIDER
416	X-3717-223-1	o	PLATE ASS'Y, ADJUSTMENT, SLANT
417	X-3717-250-1	o	GEAR (1) ASS'Y, T
418	A-6746-047-A	s	DRAWER ASS'Y, T
419	3-717-406-01	o	GEAR (2), T
420	3-717-300-01	o	SPRING (T GEAR 2)
421	X-3717-239-1	o	ARM ASS'Y, T
422	3-717-299-01	o	SPRING
423	3-717-283-01	o	ROLLER (2)
424	X-3717-221-1	o	PLATE ASS'Y, ADJUSTMENT

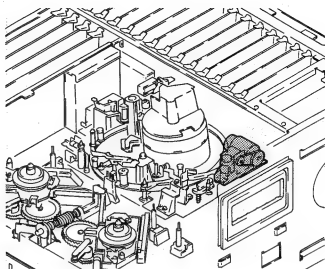
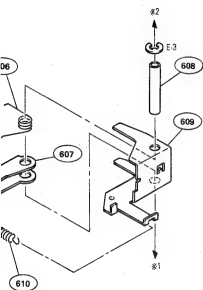
SUPPLY TENSION REGULATOR

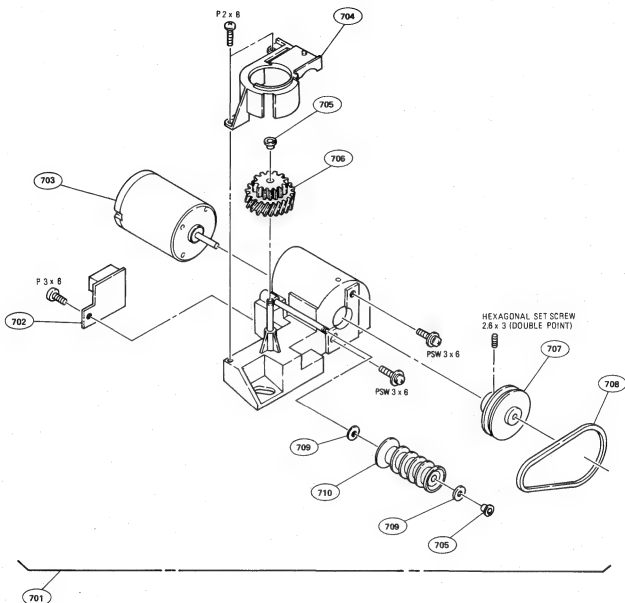
SCREW
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No.	Part No.	SP	Description
501	A-6742-061-A	■	ARM ASS'Y, S TENSION
502	X-3717-219-1	○	HOOK ASS'Y, TENSION REGULATOR
503	X-3717-220-1	○	ARM ASS'Y, TENSION REGULATOR
504	3-717-253-01	■	ROLLER
505	3-680-860-01	■	SPRING, TENSION (POWER TENSION)
506	X-3717-218-1	○	ARM ASS'Y, RETURN
507	3-717-277-01	○	PLATE, ADJUSTMENT, RETURN
508	2-618-901-00	○	SPRING
509	3-677-749-03	■	RETAINER, B
510	X-3675-851-0	■	ROLLER ASS'Y, TR
511	3-677-752-00	■	NUT, ADJUSTMENT, T
512	3-675-872-00	○	SPRING, LEAF
513	3-717-276-01	○	PROTECTOR
514	3-680-830-01	■	HOLDER, DME
515	3-675-885-02	○	PLATE, SHIELD, T-DME
516	1-611-279-13	○	PRINTED CIRCUIT BOARD, TR-18
517	3-680-831-00	○	COLLAR, DME
518	3-717-278-01	○	BRACKET, TR
519	3-653-350-00	■	SPRING, COMPRESSION
520	3-437-173-02	○	SCREW, HEAD ADJUSTING

Gear Box Block





BVW-7B (1)
 BVW-7SP (1)
 BVW-7SS (1)
 BVW-7SPM (1)

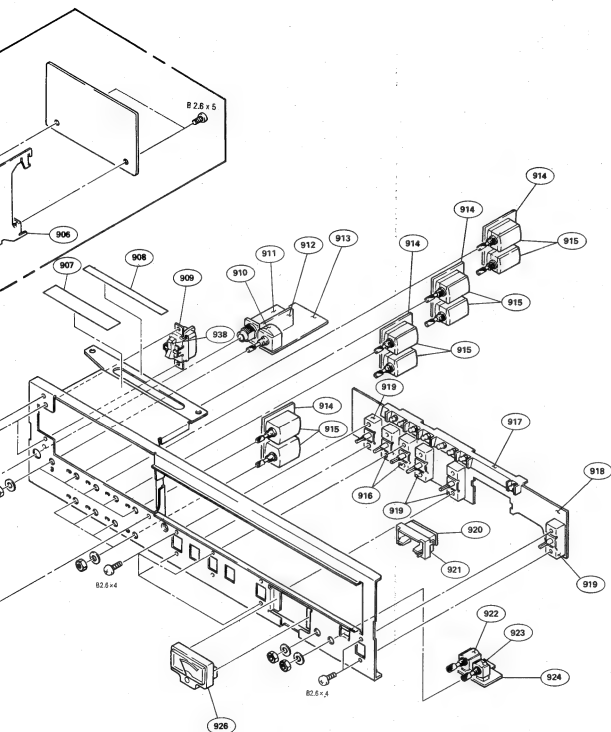
No.	Part No.	SP	Description
701	A-6750-213-D	#	BOX ASS'Y, GEAR
702	1-622-607-11	o	PRINTED CIRCUIT BOARD, PTC-31
703	8-835-179-01	s	MOTOR, DC MCB2B15
704	3-717-550-01	o	COVER, GEAR BOX
705	3-703-074-00	s	CAP 3, SHAFT
706	3-717-262-02	s	GEAR, DRIVE
707	3-717-261-02	o	PULLEY, MOTOR
708	3-688-066-01	s	BELT, LM
709	3-701-439-21	s	WASHER POLY 3MM DIA. 0.5T
710	X-3717-214-2	s	WORM ASS'Y



801	A-3
802	X-6
803	X-3
804	X-3
805	A-6
806	1-6
807	1-5
808	1-5
809	3-5
810	1-6
811	1-5
812	1-5
813	1-6
814	3-5
815	3-7
816	1-5
817	1-5
818	1-5
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820	3-3
821	1-6
822	3-6
823	3-6
824	1-6
825	3-6
826	3-6
827	A-6
828	3-6
829	3-7
830	X-3
831	3-7
832	X-3
833	3-7
834	3-7
835	X-3
836	3-7
837	3-7
838	3-7
839	3-7
840	3-7
841	2-2
842	3-7
843	1-6
844	3-7
845	3-7
846	1-5
847	1-5
848	X-3
849	1-5
850	3-7
851	3-7
852	3-7
853	3-7
854	3-5
855	X-3
856	1-5
857	1-5

No.	Part No.	SP	Description
801	X-3717-251-1	o	SLIDER (LEFT) ASS'Y
802	A-6717-470-A	o	MOUNTED CIRCUIT BOARD, CP-103P
803	X-3717-253-1	o	RAIL ASS'Y, SLIDE
804	X-3717-265-1	o	PANEL ASS'Y (PAL), SUB
805	A-6734-236-A	o	CHASSIS ASS'Y, KEY
806	1-622-554-11	o	PRINTED CIRCUIT BOARD KY-107
807	1-552-539-00	o	SWITCH, KEY BOARD
808	1-535-698-11	o	WIRE, JUMPER
809	3-659-487-00	o	HOLDER, BUZER
810	1-571-280-11	o	SWITCH, TACTIL
811	1-571-167-11	o	SWITCH, TACTIL
812	1-571-168-11	o	SWITCH, TACTIL "AUTO EDIT"
813	1-622-555-11	o	PRINTED CIRCUIT BOARD, KY-108
814	3-659-488-00	o	PIN, BUZER HOLDER
815	3-717-416-02	o	PROTECTOR, KY
816	1-516-961-00	o	SWITCH, LEVER SLIDE
817	1-571-167-21	o	SWITCH, TACTIL "REV"
818	1-571-167-41	o	SWITCH, TACTIL "P.FWD"
819	1-571-167-21	o	SWITCH, TACTIL "PLAY"
820	3-305-651-11	o	RETAINER, LED
821	1-622-556-11	o	PRINTED CIRCUIT BOARD, DP-71
822	3-668-124-00	o	HOLDER, LED
823	3-717-309-01	o	BRACKET, PT
824	1-605-018-00	o	PRINTED CIRCUIT BOARD, PT-9
825	3-669-904-00	o	HOLDER, PT
826	3-660-978-00	o	SHEET, HEAT RESISTING
827	A-6734-238-B	o	DIAL BLOCK ASS'Y, SEARCH
828	3-639-371-00	o	SPRING, TENSION
829	X-3717-229-1	o	ARM ASS'Y, RETURN
830	X-3717-227-1	o	ARM (RIGHT) ASS'Y, S10
831	3-717-319-01	o	SPRING, TORSION
832	X-3717-228-1	o	ARM (LEFT) ASS'Y, S10
833	3-717-318-01	o	BEARING, S10
834	3-662-048-00	o	WASHER, BRACKET
835	X-3717-226-1	o	SHAFT SUB ASS'Y, MAIN
836	3-701-443-21	o	WASHER POLY 5MM DIA. 0.5T
837	3-717-417-01	o	CAM
838	3-717-320-01	o	SPRING, COMPRESSION
839	3-717-316-02	o	GUIDE, LOCK IN
840	3-717-317-01	o	PLATE, CLUTCH
841	2-280-622-11	o	SUPPORT (M3), HEXAGON
842	3-717-315-01	o	PLATE, BOTTOM, SD
843	1-622-638-11	o	PRINTED CIRCUIT BOARD, PTC-32
844	3-717-321-01	o	PROTECTOR, PTC
845	3-717-418-01	o	PLATE
846	1-571-168-21	o	SWITCH, TACTIL "REC"
847	1-535-699-11	o	WIRE, JUMPER
848	X-3717-252-1	o	SLIDER (RIGHT) ASS'Y
849	1-516-995-00	o	SWITCH, LEVER SLIDE
850	3-717-546-01	o	GUIDE, LOCK OUT
851	3-717-553-01	o	BEARING, SD
852	3-717-587-01	o	COVER (W), SD
853	3-718-771-01	o	COVER (U), SD
854	3-531-576-01	o	RIVET, NYLON
855	X-3717-254-1	o	CHASSIS SUB ASS'Y, SUB
856	1-571-169-11	o	SWITCH, TACTIL "EJECT"
857	1-571-169-21	o	SWITCH, TACTIL "STOP"

LEVEL CONTROL



No. Pa

901 A-
902 3-
903 1-
904 3-
905 3-

906 3-
907 3-
908 3-
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908 3-
908 (f

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911 1-

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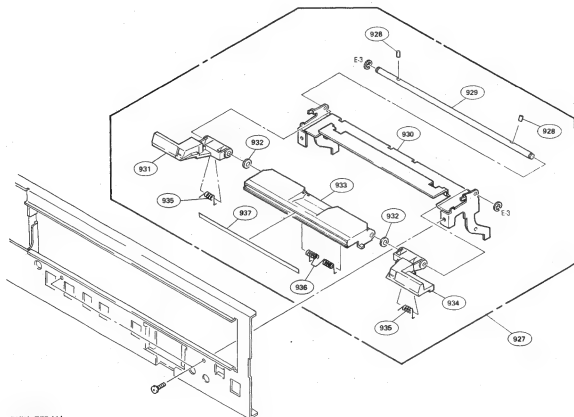
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No.	Part No.	SP	Description
901	A-6730-924-A	o	TUBE ASS'Y, INDICATION
902	3-717-539-01	o	CASE, INDICATION TUBE
903	1-520-496-11	o	LEVEL METER, AUDIO
904	3-717-538-01	o	HOLDER, VFD
905	3-717-532-01	o	BRACKET (LEFT), DP
906	3-717-531-01	o	BRACKET (RIGHT), DP
907	3-717-530-01	o	LABEL (BF), PC BOARD
908	3-717-628-01	o	LABEL (P)(M), PC BOARD (for S/N up to 10746)
908	3-717-628-02	o	LABEL (P)(M), PC BOARD (for S/N 10747 through 12547)
908	3-727-094-01	o	LABEL (M), PC BOARD (for S/N 12548 and higher)
909	1-570-117-11	o	SWITCH, LOCKER (AC POWER)
910	1-230-501-11	o	RES, VAR, CARBON 20K/20K
911	1-507-863-11	o	JACK, LARGE TYPE
912	1-622-590-11	o	PRINTED CIRCUIT BOARD, HP-33
913	1-622-589-11	o	PRINTED CIRCUIT BOARD, VR-62
914	1-622-592-11	o	PRINTED CIRCUIT BOARD, VR-42
915	1-237-781-11	o	VAR, CARBON (WITH SW) 10K
916	1-516-961-00	o	SWITCH, LEVER SLIDE

No.	Part No.	SP	Description
917	3-717-474-02	o	HOLDER, LED
918	1-622-573-13	o	PRINTED CIRCUIT BOARD, SW-144
919	1-516-995-00	o	SWITCH, LEVER SLIDE
920	1-622-591-11	o	PRINTED CIRCUIT BOARD, DP-72
921	3-717-323-01	o	COVER, METER LED
922	1-237-782-11	o	VAR, CARBON (WITH SW) 10K
923	1-237-719-11	o	VAR, CARBON 100K
924	1-622-588-11	o	PRINTED CIRCUIT BOARD, VR-61
926	1-520-494-11	o	METER, LEVEL (VIDEO)
927	A-6751-377-A	o	GUIDE ASS'Y, SC
928	3-677-193-01	o	PIN, STOPPER
929	3-717-617-01	o	SHAFT, SC GUIDE
930	3-717-621-01	o	BRACKET, SC GUIDE
931	3-717-618-01	o	GUIDE L, SC
932	3-701-441-21	o	WASHER POLY 4MM DIA. 0.5T
933	3-717-620-01	o	BRACKET, C-LOCK OUT
934	3-717-619-01	o	GUIDE R, SC
935	3-717-616-01	o	SPRING, C-LOCK OUT
936	3-717-615-01	o	SPRING, C-LOCK OUT
937	3-717-614-01	o	LABEL, C-LOCK OUT
938	3-688-814-01	o	CAP, SWITCH



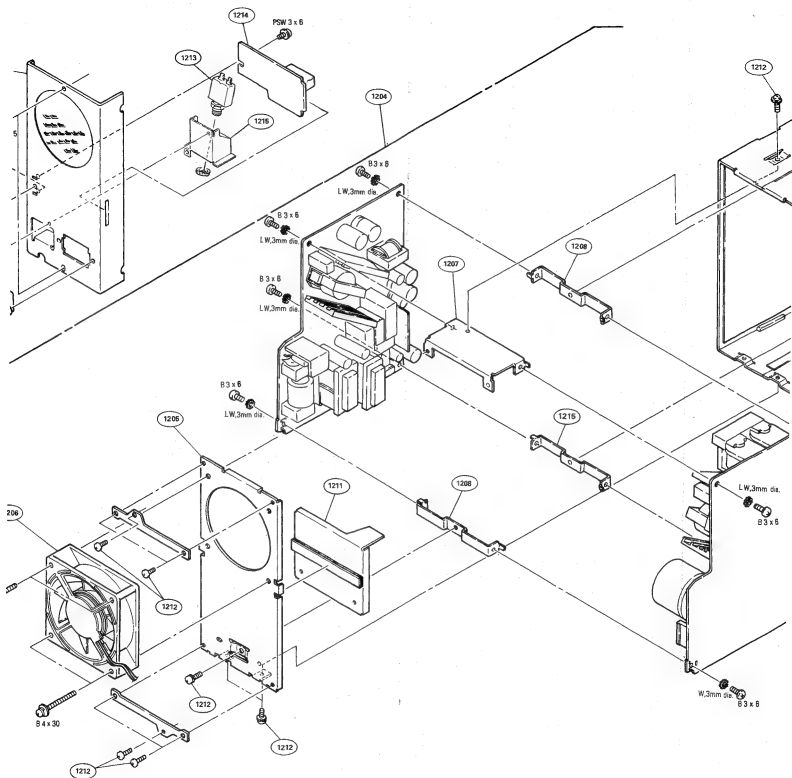
BVW-75P (1)
BVW-75S (1)

CASSETTE-UP

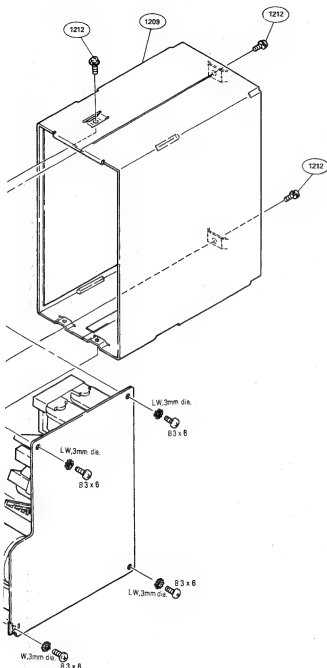
No.	Part No.	SP	Description
1001	3-578-389-00	s	SPRING, TENSION
1002	X-3717-361-1	o	ARM ASS'Y, PUSH OUT
1003	X-3717-362-1	o	ARM (LEFT) ASS'Y, CASSETTE IN
1004	3-717-461-03	o	GUIDE (LEFT), CASSETTE
1005	3-717-351-01	o	ROLLER (B), GUIDE
1006	3-677-187-00	s	ROLLER, GUIDE
1007	3-489-325-01	s	SPRING, TENSION
1008	3-717-347-01	o	ARM (LEFT), CASSETTE PRESS
1009	3-717-350-01	o	ROLLER (L), PRESS
1010	3-717-349-01	o	ROLLER (S), PRESS
1011	3-717-348-01	o	SHAFT, PRESS ROLLER
1012	3-717-365-01	s	GEAR, JOINT DRIVING
1013	X-3717-236-1	o	BRACKET ASS'Y, DOOR
1014	3-717-475-01	s	GEAR, DRIVING
1015	3-717-458-01	s	SPRING, COMPRESSION
1016	3-717-356-01	o	SLIDER, ARM DRIVING
1017	3-717-355-01	o	ARM, DRIVING
1018	3-531-863-01	s	SPRING, TENSION
1019	3-717-361-02	o	ARM (1), DOWN SW
1020	3-140-263-XX	s	SPRING, TENSION (23T)
1021	3-717-362-02	o	ARM (2), DOWN SW
1022	3-717-339-01	o	BRACKET, PHOTO
1023	1-622-604-11	o	PRINTED CIRCUIT BOARD, FC-33
1024	1-622-602-11	o	PRINTED CIRCUIT BOARD, CL-14
1025	1-563-969-11	o	CONNECTOR, F.P.C, 7P
1026	3-717-368-01	o	HOLDER (B), F.P.C
1027	1-559-265-11	o	WIRE, FLEXIBLE CARD
1028	X-3717-235-1	o	CHASSIS ASS'Y, LID OPEN LEVER
1029	3-491-360-00	s	SPRING, TENSION
1030	3-717-453-01	s	LEVER, LID OPEN
1031	3-717-369-03	o	STOPPER, DOOR
1032	X-3717-365-2	o	REFLECTOR ASS'Y
1033	3-701-439-21	s	WASHER POLY 3MM DIA. 0.5T
1034	3-717-457-01	o	ARM, DOOR SWITCHING
1035	3-668-508-00	s	SPRING, TENSION
1036	3-717-596-01	o	RUBBER, VIBRATION PROOF
1037	3-717-586-01	o	HOLDER (MAIN), LAMP
1038	3-703-358-03	o	PIN, PARALLEL (DIA.2 x 8)
1039	4-852-933-11	s	HOLDER, LAMP
1040	1-518-508-00	s	LAMP, PILOT
1041	3-717-363-01	o	SHAFT, JOINT
1042	3-717-359-01	o	BEARING, DRIVING GEAR
1043	3-717-364-01	s	GEAR, JOINT
1044	A-6737-178-A	s	MOTOR BLOCK ASS'Y
1045	3-717-352-01	o	JOINT, MOTOR
1046	3-717-354-01	o	BRACKET, WORM
1047	1-541-376-11	s	MOTOR, DC (DNR-4700A)
1048	3-717-214-01	o	BEARING, WORM
1049	3-717-213-01	o	WASHER (A), WORM
1050	3-717-212-01	o	WASHER (B), WORM
1051	3-659-324-00	s	SPRING, COMPRESSION
1052	3-717-353-01	o	SHAFT, WORM
1053	3-717-210-01	s	WORM
1054	3-717-454-01	o	WHEEL, WORM
1055	3-717-455-04	o	ARM, DOOR SWITCHING ASSIST

No.	Part No.	SP	Description
1056	3-437-284-00	s	SPRING, TENSION
1057	X-3717-359-1	o	ARM (RIGHT) ASS'Y, CASSETTE IN
1058	3-717-346-01	o	ARM (RIGHT), CASSETTE PRESS
1059	3-717-435-04	o	DOOR, CASSETTE
1060	3-717-421-02	o	HOLDER (A), F.P.C
1061	X-3717-360-1	o	DECK ASS'Y, ARM
1062	3-509-127-00	s	SPRING, TENSION
1063	3-717-460-03	o	GUIDE (RIGHT), CASSETTE
1064	1-628-786-11	o	PRINTED CIRCUIT BOARD, FC-47
1065	X-3717-231-1	o	ARM ASS'Y, LS
1066	A-6751-360-D	s	CASSETTE COMPARTMENT ASS'Y
1067	1-623-198-11	o	PRINTED CIRCUIT BOARD, CCM-2
1068	1-623-267-11	o	PRINTED CIRCUIT BOARD, FC-41
1069	3-717-584-01	s	LEVER (B), LID OPEN
1070	3-717-585-01	o	BRACKET (B), PHOTO
1071	3-717-597-01	o	JOINT, PLATE
1072	3-717-598-01	o	JOINT, BEARNG
1073	3-717-599-01	s	ROLLER (C), GUIDE
1074	3-329-460-01	o	SPACER
1075	3-727-017-02	o	PLATE, GROUND

No.	Part No.	SP	Description
1101	3-531-576-01	■	RIVET
1102	3-717-436-03	■	PLATE (R), ORNAMENTAL, CONNECTOR
1103	1-509-176-51	■	CONNECTOR, 3P, FEMALE
1104	1-509-184-51	■	CONNECTOR, 3P, MALE
1105	1-562-160-00	■	CONNECTOR (R-P) 12P
1106	1-561-781-11	■	CONNECTOR, RMC (RECEPTACLE)
1107	1-564-407-11	■	CONNECTOR (R-M)
1108	3-717-325-03	○	BRACKET, CONNECTOR
1109	3-717-324-01	○	INSULATOR, CP-101 SHIELD
1110	3-717-419-01	○	PLATE, SHIELD, CP-101
1111	A-6729-736-A	○	MOUNTED CIRCUIT BOARD, CP-101P
1112	1-554-958-11	S	SWITCH SLIDE (PC BOARD)
1113	1-571-062-11	■	SWITCH, SLIDE
1114	1-570-157-21	■	SWITCH, SLIDE
1115	A-6713-274-A	○	MOUNTED CIRCUIT BOARD, CP-111
1116	1-509-095-00	■	SOCKET, MULTI (8P)
1117	3-717-326-01	○	BRACKET, FAN COVER
1118	1-541-524-11	■	MOTOR, DC FAN
1119	1-624-153-11	○	PRINTED CIRCUIT BOARD, RM-57
1120	1-563-890-11	■	SOCKET, D-SUB CONNECTOR 9P
1121	1-566-441-11	■	PIN, D-SUB CONNECTOR 15P
1122	1-561-028-00	■	CONNECTOR, 36P
1123	3-717-485-01	○	PANEL (1), REAR
1124	3-717-328-01	○	SCREW (15P), CONNECTOR
1125	3-668-460-00	○	SPRING
1126	3-717-327-01	○	SCREW (9P), CONNECTOR
1127	3-717-420-01	○	PLATE, ORNAMENTAL, PANEL
1128	1-554-377-00	■	SWITCH, SLIDE
1129	4-818-403-01	■	RIVET
1130	1-561-781-11	■	CONNECTOR, RMC (RECEPTACLE)

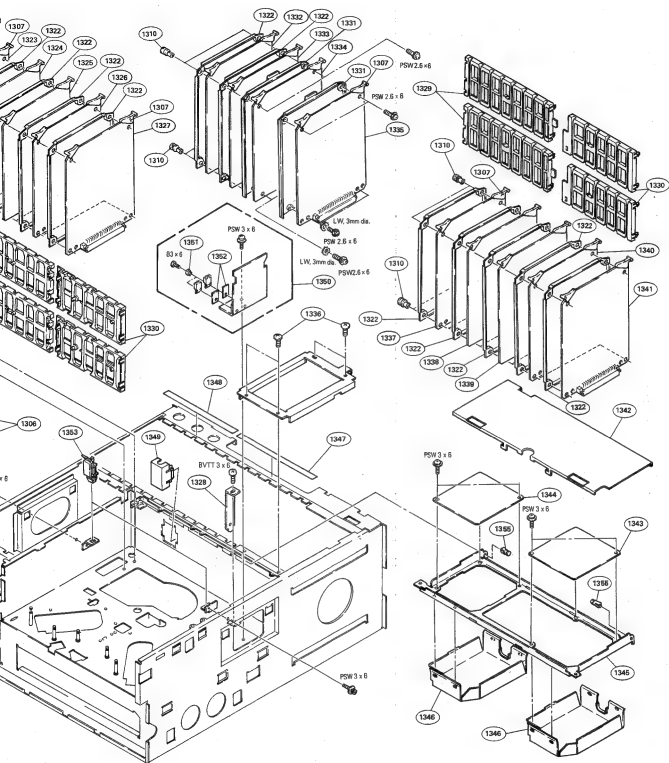


SWITCHING REGULATOR



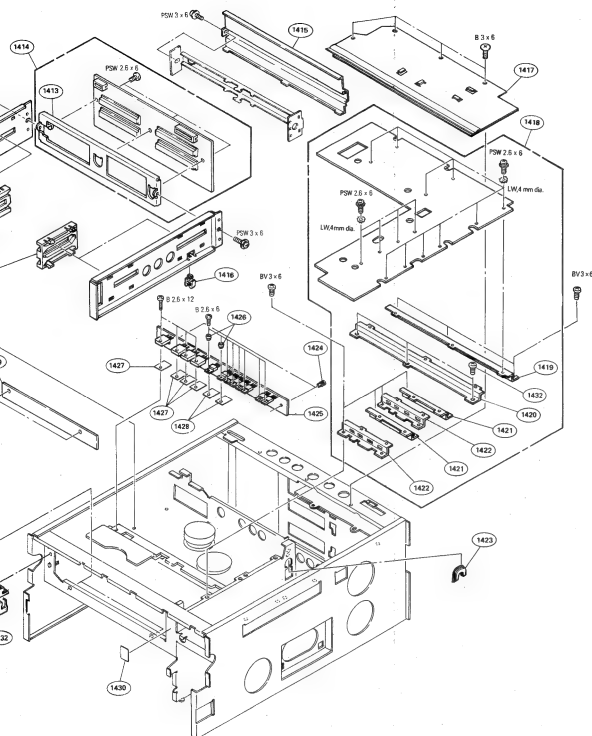
No. Part No. SP Description

1201	1-509-547-00	3P INLET
1202	X-2068-004-0	TERMINAL ASS'Y
1203	2-068-D08-00	WASHER
1204	1-413-307-24	REGULATOR, SWITCHING (UR-21B)
1205	2-403-697-11	LID, CASE
1206	1-541-524-11	MOTOR, DC FAN
1207	2-434-457-01	BRACKET, LS-UR21-S
1208	2-434-441-01	BRACKET
1209	2-403-696-01	CASE
1210	2-434-441-11	BRACKET
1211	2-431-695-01	SHEET (IS-UR21-S), INSULATING
1212	3-703-108-01	SCREW +BV 3 x 6, S TIGHT
1213	1-576-036-11	BREAKER, CIRCUIT
1214	1-628-132-11	PRINTED CIRCUIT BOARD, AC-96
1215	3-727-029-01	BRACKET, BREAKER
1216	3-727-030-01	PANEL (R), REAR



No.	Part
1301	3-71
1302	1-54
1303	1-62
1304	1-70
1305	A-67
1306	3-71
1307	2-25
1308	A-67
1309	3-71
1310	3-53
1311	A-67
1312	X-37
1313	A-67 (for A-67 (for
1314	A-67 (for A-67 (for
1315	A-67
1316	3-71
1317	3-71
1318	3-71
1319	A-67
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1321	3-71
1322	3-71
1323	A-67
1324	A-67
1325	A-67
1326	A-67
1327	A-67
1328	3-71
1329	3-71
1330	3-71
1331	X-37
1332	A-67
1333	A-67
1334	3-70
1335	3-71
1336	A-67
1337	A-67
1338	A-67
1339	A-67
1340	A-67
1341	A-67
1342	3-71
1343	A-67
1344	3-71
1345	3-71
1346	3-71
1347	3-71
1348	3-71
1349	3-67
1350	A-67
1351	2-37
1352	3-66
1353	3-68
1354	3-64
1355	3-64

No.	Part No.	SP	Description
1301	3-717-583-02	o	PLATE, INDICATION
1302	1-548-152-11	o	HOURS METER, DIGITAL
1303	1-622-595-11	o	PRINTED CIRCUIT BOARD, HC-11
1304	3-703-072-00	o	HOLDER, PCB
1305	A-6713-273-A	o	MOUNTED CIRCUIT BOARD, RF-28
1306	3-717-633-03	o	GUIDE (F) (M), PCB
1307	2-251-622-11	s	LEVER, PC BOARD
1308	A-6711-982-A	o	MOUNTED CIRCUIT BOARD, DEC-42P
1309	3-717-472-01	o	INSULATOR (M), CARD
1310	3-531-576-01	s	RIVET
1311	A-6711-904-B	o	MOUNTED CIRCUIT BOARD, DM-56P
1312	X-3717-255-1	s	PLATE (M) ASS'Y, SHIELD, CARD
1313	A-6711-888-A	o	MOUNTED CIRCUIT BOARD, TBC-7P (for S/N up to 12547) A-6727-094-A o MOUNTED CIRCUIT BOARD, TBC-7D (for S/N 12548 and higher)
1314	A-6711-889-C	o	MOUNTED CIRCUIT BOARD, TBC-8P (for S/N up to 12547) A-6727-078-A o MOUNTED CIRCUIT BOARD, TBC-12P (for S/N 12548 and higher)
1315	A-6715-355-A	o	MOUNTED CIRCUIT BOARD, DT-15
1316	3-717-540-01	o	BRACKET, DT
1317	3-717-541-01	o	CASE, SHIELD, DT
1318	3-717-533-01	o	INSULATOR, DT
1319	A-6711-806-A	o	MOUNTED CIRCUIT BOARD, RE-34
1320	3-717-415-01	o	BRACKET, RE
1321	3-717-414-01	o	CASE, SHIELD, RE
1322	3-717-473-01	o	INSULATOR (S), CARD
1323	A-6711-890-A	o	MOUNTED CIRCUIT BOARD, TBC-9P
1324	A-6711-891-A	o	MOUNTED CIRCUIT BOARD, EN-48P
1325	A-6711-892-A	o	MOUNTED CIRCUIT BOARD, VO-18P
1326	A-6711-893-A	o	MOUNTED CIRCUIT BOARD, MD-46P
1327	A-6727-067-A	o	MOUNTED CIRCUIT BOARD, DEC-40P
1328	3-717-577-01	o	PROTECTOR, CASSETTE COMPARTMENT
1329	3-717-430-01	o	GUIDE (LL), PCB
1330	3-717-431-01	o	GUIDE (RL), PCB
1331	X-3717-256-1	o	PLATE (S) ASS'Y, SHIELD, CARD
1332	A-6713-270-A	o	MOUNTED CIRCUIT BOARD, AFM-1
1333	A-6713-310-A	o	MOUNTED CIRCUIT BOARD, AU-75P
1334	A-6713-311-A	o	MOUNTED CIRCUIT BOARD, AU-76P
1335	A-6717-472-A	o	MOUNTED CIRCUIT BOARD, TC-40P
1336	3-703-108-01	s	SCREW
1337	A-6715-356-A	o	MOUNTED CIRCUIT BOARD, SV-82
1338	A-6715-357-A	o	MOUNTED CIRCUIT BOARD, SV-83
1339	A-6715-386-A	o	MOUNTED CIRCUIT BOARD, SV-84P
1340	A-6715-359-A	o	MOUNTED CIRCUIT BOARD, DT-13
1341	A-6715-387-A	o	MOUNTED CIRCUIT BOARD, DT-14P
1342	3-717-424-01	s	PROTECTOR, RP
1343	A-6711-895-A	o	MOUNTED CIRCUIT BOARD, RP-29P (Y)
1344	A-6711-896-A	o	MOUNTED CIRCUIT BOARD, RP-29P (C)
1345	3-717-432-01	o	BRACKET, RP
1346	3-717-413-01	o	CASE (LEFT), SHIELD, RP
1347	3-717-526-01	o	LABEL (RL), PC BOARD
1348	3-717-627-01	o	LABEL (P) (LL), PC BOARD
1349	3-677-741-00	o	GUARD, AIR
1350	A-6715-353-A	o	MOUNTED CIRCUIT BOARD, SE-57
1351	2-371-561-00	s	BUSHING (P), INSULATING
1352	3-660-978-00	s	SHEET, HEAT RESISTING
1353	3-682-047-01	o	HOLDER (A), PC BOARD
1355	3-646-090-11	s	RIVET



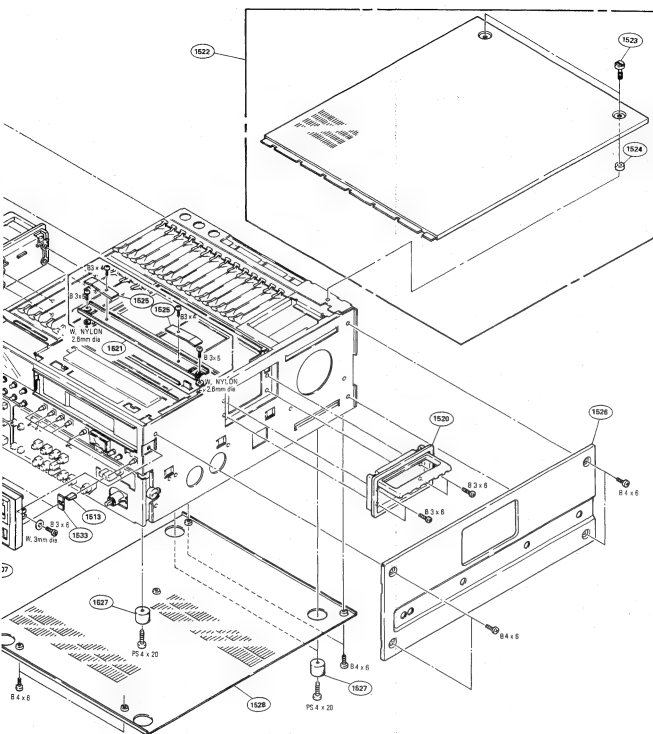
No. Part

1401	3-71
1402	3-71
1403	3-71
1404	2-25
1405	A-67
1406	X-37
1408	3-71
1409	A-67
1410	A-67
1411	3-71
1412	3-71
1413	3-71
1414	A-67
1415	3-71
1416	4-30
1417	3-71
1418	A-67
1419	3-71
1420	3-71
1421	3-71
1422	3-71
1423	4-30
1424	4-81
1425	1-62
1426	2-37
1427	4-91
1428	3-66
1429	A-67
1430	3-71
1431	3-70
1432	3-72

PRINTED CIRCUIT BOARD (2)

No.	Part No.	SP	Description
1401	3-717-629-01	o	SHEET METAL (64P), ORNAMENTAL
1402	3-717-552-01	o	PLATE (LARGE), ORNAMENTAL SLIDE
1403	3-717-551-01	o	PLATE (SMALL), ORNAMENTAL, SLIDE
1404	2-251-622-11	o	LEVER, PC BOARD
1405	A-6717-471-A	o	MOUNTED CIRCUIT BOARD, SY-64P
1406	X-3717-290-1	o	PLATE (L) ASS'Y, SHIELD, CARD
1408	3-717-469-01	o	SHEET METAL (61), ORNAMENTAL
1409	A-6717-442-B	o	MOUNTED CIRCUIT BOARD, SY-61
1410	A-6715-354-A	o	MOUNTED CIRCUIT BOARD, RE-28
1411	3-717-308-01	o	BRACKET (1), RE
1412	3-717-410-01	o	GUIDE (S), PCB
1413	3-717-468-01	o	JOINT, CONNECTOR
1414	A-6725-584-A	o	MOUNTED CIRCUIT BOARD, MB-192
1415	3-717-490-01	o	PLATE, SHIELD, MB-117
1416	4-309-753-00	o	HOLDER, WIRE
1417	3-717-543-01	o	GUARD, MB
1418	A-6725-583-B	o	MOUNTED CIRCUIT BOARD, MB-191
1419	3-717-480-03	o	BRACKET (1R), MB
1420	3-717-491-03	o	BRACKET (1F), MB
1421	3-717-631-01	o	BRACKET (S) (P), MB
1422	3-717-630-01	o	BRACKET (N) (P), MB
1423	4-302-401-00	o	BUSHING, DEGAUSSING COIL
1424	4-812-134-00	o	RIVET NYLON, 3.5
1425	1-622-561-11	o	PRINTED CIRCUIT BOARD, DR-56
1426	2-371-561-00	o	BUSHING (P), INSULATING
1427	4-911-232-01	o	SHEET, INSULATING
1428	3-660-978-00	o	SHEET, HEAT RESISTING
1429	A-6715-361-A	o	MOUNTED CIRCUIT BOARD, RE-36
1430	3-717-528-01	o	LABEL (S), PC BOARD
1431	3-703-353-01	o	SUPPORT, PC BOARD
1432	3-727-012-02	o	STOPPER, SY

ORNAMENTAL PANEL



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No.	Part No.	SP	Description
1501	A-6704-263-B	o	PANEL ASS'Y, KEY
1502	3-717-381-01	■	PUSH BUTTON (15 x 8)
1503	3-717-380-01	o	GUARD, REC
1504	3-717-378-01	o	FRAME (20 x 13), ORNAMENTAL, BUTTON
1505	3-717-377-01	o	FRAME (SQUARE 17), ORNAMENTAL
1506	3-668-007-11	■	PUSH BUTTON, 5 x 9 (WHITE)
1507	3-717-374-01	o	FRAME (23 x 12), ORNAMENTAL, SW
1508	3-717-375-01	o	FRAME (18 x 12), ORNAMENTAL, SW
1509	3-717-379-01	o	FRAME (SQUARE 14), ORNAMENTAL
1510	3-717-425-01	o	HANDLE
1511	3-668-009-02	■	PIN, PUSH BUTTON
1512	4-309-349-00	■	SPRING, COIL
1513	3-717-382-01	■	KNOB, LEVER, SW
1515	3-668-008-02	■	PUSH BUTTON (3 x 5)
1516	X-3717-237-1	■	KNOB ASS'Y, VOL
1517	X-3717-245-2	o	PANEL SUB ASS'Y, FRONT
1518	3-717-479-21	o	LABEL, MODEL
1519	3-717-482-01	o	CABINET (LEFT)
1520	X-3642-018-0	■	HANDLE ASS'Y
1521	A-6730-932-A	■	STAY ASS'Y, CASSETTE COMPARTMENT
1522	A-6703-674-A	o	LID (P) ASS'Y, UPPER
1523	3-717-392-01	o	SCREW, LID
1524	3-688-102-01	o	SPACER, M6
1525	3-717-306-01	o	SPRING
1526	3-717-483-01	o	CABINET (RIGHT)
1527	3-642-656-01	■	FOOT
1528	3-717-437-01	■	PLATE, BOTTOM
1529	3-717-370-01	o	KNOB, DIAL
1530	3-717-557-01	o	PLATE, KNOB
1531	3-668-012-00	■	RUBBER, DIAL KNOB
1532	X-3717-261-1	■	KNOB ASS'Y, VOL
1533	3-717-613-01	o	PLATE ORNAMENTAL, LEVER SW
1534	3-668-007-02	■	PUSH BUTTON, 5 x 9 (BLACK)
1535	3-701-690-01	■	LABEL, (MADE IN JAPAN)

Parts No. SP Description

CAPACITOR, ELECTROLYTIC

1-124-902-00	■	CAP, ELECT	0.47	20Z	50V
1-124-791-11	■	CAP, ELECT	1.0	20Z	100V
1-124-925-11	■	CAP, ELECT	2.2	20Z	100V
1-123-382-00	■	CAP, ELECT	3.3	20Z	100V
1-124-927-00	■	CAP, ELECT	4.7	20Z	100V
1-123-875-91	■	CAP, ELECT	10	20Z	50V
1-124-908-11	■	CAP, ELECT	22	20Z	50V
1-124-963-11	■	CAP, ELECT	33	20Z	16V
1-124-482-11	■	CAP, ELECT	33	20Z	35V
1-124-917-11	■	CAP, ELECT	33	20Z	63V
1-124-446-11	■	CAP, ELECT	47	20Z	10V
1-124-477-11	■	CAP, ELECT	47	20Z	25V
1-124-910-11	■	CAP, ELECT	47	20Z	50V
1-124-443-00	■	CAP, ELECT	100	20Z	10V
1-126-101-11	■	CAP, ELECT	100	20Z	16V
1-124-478-11	■	CAP, ELECT	100	20Z	25V
1-124-122-11	■	CAP, ELECT	100	20Z	50V
1-124-444-00	■	CAP, ELECT	220	20Z	10V
1-124-120-11	■	CAP, ELECT	220	20Z	25V
1-124-484-11	■	CAP, ELECT	220	20Z	35V
1-124-911-11	■	CAP, ELECT	220	20Z	50V
1-124-442-00	■	CAP, ELECT	330	20Z	6.3V
1-124-604-00	■	CAP, ELECT	330	20Z	10V
1-124-119-00	■	CAP, ELECT	330	20Z	16V
1-124-479-11	■	CAP, ELECT	330	20Z	25V
1-124-485-11	■	CAP, ELECT	330	20Z	35V
1-124-912-11	■	CAP, ELECT	330	20Z	50V
1-124-472-11	■	CAP, ELECT	470	20Z	10V
1-124-475-11	■	CAP, ELECT	470	20Z	16V
1-124-480-11	■	CAP, ELECT	470	20Z	25V
1-126-104-11	■	CAP, ELECT	470	20Z	35V
1-124-913-11	■	CAP, ELECT	470	20Z	50V

CAPACITOR, MICA, SILVERED

1-107-018-00	■	CAP, MICA	1.0pF	±0.5pF	500V
1-107-039-00	■	CAP, MICA	1.2pF	±0.5pF	500V
1-107-040-00	■	CAP, MICA	1.5pF	±0.5pF	500V
1-107-041-00	■	CAP, MICA	1.8pF	±0.5pF	500V
1-107-042-00	■	CAP, MICA	2.2pF	±0.5pF	500V
1-107-043-00	■	CAP, MICA	2.7pF	±0.5pF	500V
1-107-044-00	■	CAP, MICA	3.3pF	±0.5pF	500V
1-107-045-00	■	CAP, MICA	3.9pF	±0.5pF	500V
1-107-046-00	■	CAP, MICA	4.7pF	±0.5pF	500V
1-107-026-00	■	CAP, MICA	5.1pF	±0.5pF	500V
1-107-047-00	■	CAP, MICA	5.6pF	±0.5pF	500V
1-107-048-00	■	CAP, MICA	6.8pF	±0.5pF	500V
1-107-049-00	■	CAP, MICA	8.2pF	±0.5pF	500V
1-107-202-00	■	CAP, MICA	10pF	5Z	500V
1-107-203-00	■	CAP, MICA	11pF	5Z	500V
1-107-204-00	■	CAP, MICA	12pF	5Z	500V
1-107-205-00	■	CAP, MICA	13pF	5Z	500V
1-107-206-00	■	CAP, MICA	15pF	5Z	500V
1-107-207-00	■	CAP, MICA	16pF	5Z	500V
1-107-208-00	■	CAP, MICA	18pF	5Z	500V
1-107-209-00	■	CAP, MICA	20pF	5Z	500V
1-107-210-00	■	CAP, MICA	22pF	5Z	500V
1-107-211-00	■	CAP, MICA	24pF	5Z	500V
1-107-157-00	■	CAP, MICA	27pF	5Z	500V
1-107-158-00	■	CAP, MICA	30pF	5Z	500V

Parts No. SP Description

1-107-159-00	■	CAP, MICA	33pF	5Z	500V
1-107-074-00	■	CAP, MICA	36pF	5Z	50V
1-107-075-00	■	CAP, MICA	39pF	5Z	50V
1-107-076-00	■	CAP, MICA	43pF	5Z	50V
1-107-077-00	■	CAP, MICA	47pF	5Z	50V
1-107-164-00	■	CAP, MICA	51pF	5Z	500V
1-107-165-00	■	CAP, MICA	56pF	5Z	500V
1-107-166-00	■	CAP, MICA	62pF	5Z	500V
1-107-036-00	■	CAP, MICA	68pF	5Z	500V
1-107-167-00	■	CAP, MICA	75pF	5Z	500V
1-107-083-00	■	CAP, MICA	82pF	5Z	50V
1-107-084-00	■	CAP, MICA	91pF	5Z	50V
1-107-085-00	■	CAP, MICA	100pF	5Z	50V
1-107-086-00	■	CAP, MICA	110pF	5Z	50V
1-107-087-00	■	CAP, MICA	120pF	5Z	50V
1-109-538-00	■	CAP, MICA	130pF	5Z	100V
1-109-539-00	■	CAP, MICA	150pF	5Z	100V
1-107-090-00	■	CAP, MICA	160pF	5Z	50V
1-109-540-00	■	CAP, MICA	180pF	5Z	100V
1-109-541-00	■	CAP, MICA	200pF	5Z	100V
1-109-542-00	■	CAP, MICA	220pF	5Z	100V
1-109-545-00	■	CAP, MICA	270pF	5Z	100V
1-109-547-00	■	CAP, MICA	330pF	5Z	100V
1-109-549-00	■	CAP, MICA	390pF	5Z	100V
1-109-633-00	■	CAP, MICA	470pF	2Z	500V
1-109-555-00	■	CAP, MICA	560pF	5Z	100V
1-109-635-00	■	CAP, MICA	470pF	2Z	500V

CAPACITOR, MYLAR

1-130-467-00	■	CAP, MYLAR	470pF	5Z	50V
1-130-468-00	■	CAP, MYLAR	560pF	5Z	50V
1-130-469-00	■	CAP, MYLAR	680pF	5Z	50V
1-130-470-00	■	CAP, MYLAR	820pF	5Z	50V
1-130-471-00	■	CAP, MYLAR	1000pF	5Z	50V
1-130-472-00	■	CAP, MYLAR	1200pF	5Z	50V
1-130-473-00	■	CAP, MYLAR	1500pF	5Z	50V
1-130-474-00	■	CAP, MYLAR	1800pF	5Z	50V
1-130-475-00	■	CAP, MYLAR	2200pF	5Z	50V
1-130-476-00	■	CAP, MYLAR	2700pF	5Z	50V
1-130-477-00	■	CAP, MYLAR	3300pF	5Z	50V
1-130-478-00	■	CAP, MYLAR	3900pF	5Z	50V
1-130-479-00	■	CAP, MYLAR	4700pF	5Z	50V
1-130-480-00	■	CAP, MYLAR	5600pF	5Z	50V
1-130-481-00	■	CAP, MYLAR	6800pF	5Z	50V
1-130-482-00	■	CAP, MYLAR	8200pF	5Z	50V
1-130-483-00	■	CAP, MYLAR	0.01	5Z	50V
1-130-484-00	■	CAP, MYLAR	0.012	5Z	50V
1-130-485-00	■	CAP, MYLAR	0.015	5Z	50V
1-130-486-00	■	CAP, MYLAR	0.018	5Z	50V
1-130-487-00	■	CAP, MYLAR	0.022	5Z	50V
1-130-488-00	■	CAP, MYLAR	0.027	5Z	50V
1-130-489-00	■	CAP, MYLAR	0.033	5Z	50V
1-130-490-11	■	CAP, MYLAR	0.039	5Z	50V
1-130-491-00	■	CAP, MYLAR	0.047	5Z	50V
1-130-492-11	■	CAP, MYLAR	0.056	5Z	50V
1-130-493-00	■	CAP, MYLAR	0.068	5Z	50V
1-130-494-11	■	CAP, MYLAR	0.082	5Z	50V
1-130-495-00	■	CAP, MYLAR	0.1	5Z	50V
1-130-496-00	■	CAP, MYLAR	0.12	5Z	50V
1-130-497-00	■	CAP, MYLAR	0.15	5Z	50V
1-130-498-00	■	CAP, MYLAR	0.18	5Z	50V
1-130-499-00	■	CAP, MYLAR	0.22	5Z	50V
1-136-502-11	■	CAP, MYLAR	0.33	5Z	50V

Parts No. SP Description

1-564-683-11 o RECEPTACLE 13P MALE (STRAIGHT TYPE)
 1-564-743-11 o RECEPTACLE 13P MALE (ANGLE TYPE)
 1-562-627-11 o HOUSING 13P
 1-564-026-21 o CONTACT ANG24-30
 1-564-681-21 o CONTACT ANG32
 1-564-069-11 o RECEPTACLE 14P MALE (STRAIGHT TYPE)
 1-564-630-11 o RECEPTACLE 14P MALE (ANGLE TYPE)
 1-562-185-11 o HOUSING 14P
 1-564-026-21 o CONTACT ANG24-30
 1-564-681-21 o CONTACT ANG32
 1-564-855-11 o RECEPTACLE 15P MALE (STRAIGHT TYPE)
 1-564-877-11 o RECEPTACLE 15P MALE (ANGLE TYPE)
 1-562-958-11 o HOUSING 15P
 1-564-026-21 o CONTACT ANG24-30
 1-564-681-21 o CONTACT ANG32

Parts No. SP Description

INDUCTOR, MICRO
 1-408-397-00 s INDUCTOR, MICRO 1.0 5X
 1-408-399-00 s INDUCTOR, MICRO 1.5 5X
 1-408-400-00 s INDUCTOR, MICRO 1.8 5X
 1-408-401-00 s INDUCTOR, MICRO 2.2 5X
 1-408-403-00 s INDUCTOR, MICRO 3.3 5X
 1-408-404-00 s INDUCTOR, MICRO 3.9 5X
 1-408-405-00 s INDUCTOR, MICRO 4.7 5X
 1-408-406-00 s INDUCTOR, MICRO 5.6 5X
 1-408-407-00 s INDUCTOR, MICRO 6.8 5X
 1-408-408-00 s INDUCTOR, MICRO 8.2 5X
 1-408-409-00 s INDUCTOR, MICRO 10 5X
 1-408-410-00 s INDUCTOR, MICRO 12 5X
 1-408-411-00 s INDUCTOR, MICRO 15 5X
 1-408-412-00 s INDUCTOR, MICRO 18 5X
 1-408-413-00 s INDUCTOR, MICRO 22 5X
 1-408-414-00 s INDUCTOR, MICRO 27 5X
 1-408-415-00 s INDUCTOR, MICRO 33 5X
 1-408-416-00 s INDUCTOR, MICRO 39 5X
 1-408-417-00 s INDUCTOR, MICRO 47 5X
 1-408-418-00 s INDUCTOR, MICRO 56 5X
 1-408-419-00 s INDUCTOR, MICRO 68 5X
 1-408-420-00 s INDUCTOR, MICRO 82 5X
 1-408-421-00 s INDUCTOR, MICRO 100 5X
 1-408-422-00 s INDUCTOR, MICRO 120 5X
 1-408-423-00 s INDUCTOR, MICRO 150 5X
 1-408-424-00 s INDUCTOR, MICRO 180 5X
 1-408-425-00 s INDUCTOR, MICRO 220 5X
 1-408-426-00 s INDUCTOR, MICRO 270 5X
 1-408-427-00 s INDUCTOR, MICRO 330 5X
 1-408-428-00 s INDUCTOR, MICRO 390 5X
 1-408-429-00 s INDUCTOR, MICRO 470 5X
 1-410-116-11 s INDUCTOR, MICRO 560 5X
 1-410-492-11 s INDUCTOR, MICRO 680 5X
 1-410-493-11 s INDUCTOR, MICRO 820 5X
 1-410-494-11 s INDUCTOR, MICRO 1000 5X

RECEPTACLE

straight type

angle type



PLUG

housing

contact



Parts No. SP Description

RESISTOR, METAL

1-215-433-00	■ RES, METAL	3.3k 1X 1/6W
1-215-434-00	■ RES, METAL	3.6k 1X 1/6W
1-215-435-00	■ RES, METAL	3.9k 1X 1/6W
1-215-436-00	■ RES, METAL	4.3k 1X 1/6W
1-215-437-00	■ RES, METAL	4.7k 1X 1/6W
1-215-438-00	■ RES, METAL	5.1k 1X 1/6W
1-215-439-00	■ RES, METAL	5.6k 1X 1/6W
1-215-440-00	■ RES, METAL	6.2k 1X 1/6W
1-215-441-00	■ RES, METAL	6.8k 1X 1/6W
1-215-442-00	■ RES, METAL	7.5k 1X 1/6W
1-215-443-00	■ RES, METAL	8.2k 1X 1/6W
1-215-444-00	■ RES, METAL	9.1k 1X 1/6W
1-215-445-00	■ RES, METAL	10k 1X 1/6W
1-215-446-00	■ RES, METAL	11k 1X 1/6W
1-215-447-00	■ RES, METAL	12k 1X 1/6W
1-215-448-00	■ RES, METAL	13k 1X 1/6W
1-215-449-00	■ RES, METAL	15k 1X 1/6W
1-215-450-00	■ RES, METAL	16k 1X 1/6W
1-215-451-00	■ RES, METAL	18k 1X 1/6W
1-215-452-00	■ RES, METAL	20k 1X 1/6W
1-215-453-00	■ RES, METAL	22k 1X 1/6W
1-215-454-00	■ RES, METAL	24k 1X 1/6W
1-215-455-00	■ RES, METAL	27k 1X 1/6W
1-215-456-00	■ RES, METAL	30k 1X 1/6W
1-215-457-00	■ RES, METAL	33k 1X 1/6W
1-215-458-00	■ RES, METAL	36k 1X 1/6W
1-215-459-00	■ RES, METAL	39k 1X 1/6W
1-215-460-00	■ RES, METAL	43k 1X 1/6W
1-215-461-00	■ RES, METAL	47k 1X 1/6W
1-215-462-00	■ RES, METAL	51k 1X 1/6W
1-215-463-00	■ RES, METAL	56k 1X 1/6W
1-215-464-00	■ RES, METAL	62k 1X 1/6W
1-215-465-00	■ RES, METAL	68k 1X 1/6W
1-215-466-00	■ RES, METAL	75k 1X 1/6W
1-215-467-00	■ RES, METAL	82k 1X 1/6W
1-215-468-00	■ RES, METAL	91k 1X 1/6W
1-215-469-00	■ RES, METAL	100k 1X 1/6W
1-215-470-00	■ RES, METAL	110k 1X 1/6W
1-215-471-00	■ RES, METAL	120k 1X 1/6W
1-215-472-00	■ RES, METAL	130k 1X 1/6W
1-215-473-00	■ RES, METAL	150k 1X 1/6W
1-215-474-00	■ RES, METAL	160k 1X 1/6W
1-215-475-00	■ RES, METAL	180k 1X 1/6W
1-215-476-00	■ RES, METAL	200k 1X 1/6W
1-215-477-00	■ RES, METAL	220k 1X 1/6W
1-215-478-00	■ RES, METAL	240k 1X 1/6W
1-215-479-00	■ RES, METAL	270k 1X 1/6W
1-215-480-00	■ RES, METAL	300k 1X 1/6W
1-215-481-00	■ RES, METAL	330k 1X 1/6W
1-215-482-00	■ RES, METAL	360k 1X 1/6W
1-215-483-00	■ RES, METAL	390k 1X 1/6W
1-215-484-00	■ RES, METAL	430k 1X 1/6W
1-215-485-00	■ RES, METAL	470k 1X 1/6W
1-215-486-00	■ RES, METAL	510k 1X 1/6W
1-215-487-00	■ RES, METAL	560k 1X 1/6W
1-215-488-00	■ RES, METAL	620k 1X 1/6W
1-215-489-00	■ RES, METAL	680k 1X 1/6W
1-215-490-00	■ RES, METAL	750k 1X 1/6W
1-215-491-00	■ RES, METAL	820k 1X 1/6W
1-215-492-00	■ RES, METAL	910k 1X 1/6W
1-215-493-00	■ RES, METAL	1.0M 1X 1/6W

AC-96, AFM-1

Ref No. Parts No. SP Description

AC-96 BOARD

1-628-132-11 o PRINTED CIRCUIT BOARD, AC-96

△C1	1-136-185-00	s	FILM	0.22	20X	250V
C2	1-161-742-00	s	CERAMIC	0.0022	20X	400V
C3	1-161-742-00	s	CERAMIC	0.0022	20X	400V
C4	1-161-742-00	s	CERAMIC	0.0022	20X	400V

△CN420	1-564-241-00	o	4P
	1-562-285-11	o	4P HOUSING
	1-562-210-11	o	4P CONTACT
CN421	1-564-676-11	o	8P
	1-562-640-11	o	8P HOUSING
	1-562-210-11	o	8P CONTACT

R1 1-214-937-00 s CARBON 1M 5% 1/2W

AFM-1 board

This board includes the PL-61 board.

A-6713-270-A o PRINTED CIRCUIT BOARD, AFM-1

C2	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C4	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C9	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C15	1-124-463-00	s	ELECT 0.1	20X 50V
C17	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C18	1-124-257-00	s	ELECT 2.2	20X 50V
C21	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C27	1-124-463-00	s	ELECT 0.1	20X 50V
C29	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C30	1-124-257-00	s	ELECT 2.2	20X 50V
C33	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C34	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C103	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C108	1-124-462-00	s	ELECT 10	20X 16V
C115	1-163-135-00	s	CERAMIC CHIP 560pF	5X 50V
C116	1-124-499-11	s	ELECT 1	20X 50V
C118	1-124-224-00	s	ELECT 47	20X 6.3V
C119	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C125	1-124-462-00	s	ELECT 10	20X 10V
C130	1-131-579-00	s	TANTAL 22	10X 10V
C131	1-163-135-00	s	CERAMIC CHIP 560pF	5X 50V
C132	1-124-499-11	s	ELECT 1	20X 50V
C134	1-124-224-00	s	ELECT 47	20X 6.3V
C136	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C137	1-124-638-11	s	ELECT 22	20X 10V

Ref.No. Parts No. SP Description

C141	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C144	1-124-224-11	s	ELECT 47	20X 6.3V
C203	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C208	1-124-462-00	s	ELECT 10	20X 16V
C214	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C215	1-163-135-00	s	CERAMIC CHIP 560pF	5X 50V
C216	1-124-499-11	s	ELECT 1	20X 50V
C218	1-124-224-00	s	ELECT 47	20X 6.3V
C219	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C225	1-124-462-00	s	ELECT 10	20X 10V
C231	1-163-135-00	s	CERAMIC CHIP 560pF	5X 50V
C232	1-124-499-11	s	ELECT 1	20X 50V
C234	1-124-224-00	s	ELECT 47	20X 6.3V
C235	1-124-638-11	s	ELECT 22	20X 10V
C237	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C302	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C304	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C305	1-124-638-11	s	ELECT 22	20X 10V
C311	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C313	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C316	1-124-638-11	s	ELECT 22	20X 10V
C323	1-124-638-11	s	ELECT 22	20X 10V
C402	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C404	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C405	1-124-638-11	s	ELECT 22	20X 10V
C411	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C413	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C416	1-124-638-11	s	ELECT 22	20X 10V
C418	1-124-638-11	s	ELECT 22	20X 10V
C423	1-124-638-11	s	ELECT 22	20X 10V
C513	1-124-462-00	s	ELECT 10	20X 16V
C515	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C529	1-124-462-00	s	ELECT 10	20X 16V
C602	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C604	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C701	1-126-103-11	s	ELECT 470	20X 16V
C702	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C706	1-126-103-11	s	ELECT 470	20X 16V
C707	1-124-252-00	s	ELECT 0.33	20X 50V
C708	1-126-103-11	s	ELECT 470	20X 16V
C709	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C713	1-126-103-11	s	ELECT 470	20X 16V
C714	1-124-252-00	s	ELECT 0.33	20X 50V
C725	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C728	1-163-033-00	s	CERAMIC CHIP 0.022	50V
C729	1-163-033-00	s	CERAMIC CHIP 0.022	50V
CN202	1-506-748-11	s	DIN 96P	
D101	8-719-101-23	s	1SS123	
D102	8-719-101-23	s	1SS123	
D201	8-719-101-23	s	1SS123	
D202	8-719-101-23	s	1SS123	
D301	8-719-914-11	s	HZ6ALL	
D302	8-719-914-11	s	HZ4ALL	
D401	8-719-914-11	s	HZ4ALL	
D402	8-719-914-11	s	HZ4ALL	
D501	8-719-910-62	s	HZ5A2L	
D502	8-719-910-68	s	HZ5C2L	

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

FL1 1-236-011-11 s LOW-PASS 1.0MHz
 FL2 1-236-011-11 s LOW-PASS 1.0MHz
 FL3 1-236-012-11 s BANDPASS 310kHz
 FL4 1-236-013-11 s BANDPASS 540kHz
 FL5 1-236-013-11 s BANDPASS 540kHz

FL6 1-236-012-11 s BANDPASS 310kHz
 FL7 1-236-012-11 s BANDPASS 310kHz
 FL8 1-236-013-11 s BANDPASS 540kHz
 FL9 1-236-003-11 s LOW-PASS 25kHz

IC1 8-759-403-78 s AK3920K (MATSUSHITA)
 IC2 8-759-403-78 s AK3920K (MATSUSHITA)
 IC101 8-759-403-77 s AK3922MK (MATSUSHITA)
 IC102 8-759-403-77 s AK3922MK (MATSUSHITA)
 IC103 8-759-200-81 s TC4053BF (TOSHIBA)

IC104 8-759-700-84 s NJM2041M-D (JRC)
 IC201 8-759-403-77 s AK3922MK (MATSUSHITA)
 IC202 8-759-403-77 s AK3922MK (MATSUSHITA)
 IC301 8-759-700-84 s NJM2041M-D (JRC)
 IC303 8-759-700-84 s NJM2041M-D (JRC)

IC304 8-759-700-94 s NJM5532M (JRC)
 IC401 8-759-700-84 s NJM2041M-D (JRC)
 IC403 8-759-700-84 s NJM2041M-D (JRC)
 IC404 8-759-700-94 s NJM5532M (JRC)
 IC501 8-752-009-90 s CX20099 (SONY)

IC502 8-759-700-84 s NJM2041M-D (JRC)
 IC701 8-759-200-68 s TC4011BF (TOSHIBA)
 IC702 8-759-200-78 s TC4030BF (TOSHIBA)
 IC703 8-759-205-78 s TC504013BF (TOSHIBA)
 IC704 8-759-200-90 s TC4538BF (TOSHIBA)

IC705 8-759-200-90 s TC4538BF (TOSHIBA)
 IC706 8-759-200-67 s TC4001BF (TOSHIBA)
 IC707 8-759-200-68 s TC4011BF (TOSHIBA)
 IC708 8-759-278-06 s TA781006AP (TOSHIBA)
 IC710 8-759-604-29 s M5F7805 (MITSUBISHI)

L1 1-410-482-31 s MICRO 100
 L2 1-410-482-31 s MICRO 100
 L3 1-410-482-31 s MICRO 100
 L4 1-410-482-31 s MICRO 100
 L101 1-410-482-31 s MICRO 100

L102 1-410-064-11 s MICRO 2.7
 L103 1-410-064-11 s MICRO 2.7
 L104 1-410-482-31 s MICRO 100
 L201 1-410-482-31 s MICRO 100
 L202 1-410-064-11 s MICRO 2.7

L203 1-410-064-11 s MICRO 2.7
 L601 1-410-482-31 s MICRO 100
 L602 1-410-482-31 s MICRO 100
 L701 1-459-155-00 s 45 (WITH CORE)
 L702 1-459-155-00 s 45 (WITH CORE)

Q1 8-729-271-22 s 28C2712-G
 Q2 8-729-271-22 s 28C2712-G
 Q3 8-729-271-22 s 28C2712-G
 Q4 8-729-271-22 s 28C2712-G
 Q5 8-729-901-03 s DTCL44WK

Ref.No. Parts No. SP Description

Q6 8-729-901-03 s DTCL44WK
 Q101 8-729-901-03 s DTCL44WK
 Q201 8-729-901-03 s DTCL44WK
 Q301 8-769-401-89 s TX429M
 Q302 8-769-401-89 s TX429M

Q303 8-769-401-89 s TX429M
 Q304 8-769-401-89 s TX429M
 Q401 8-769-401-89 s TX429M
 Q402 8-769-401-89 s TX429M
 Q403 8-769-401-89 s TX429M

Q404 8-769-401-89 s TX429M
 Q601 8-729-271-22 s 28C2712-G
 Q602 8-729-271-22 s 28C2712-G
 Q603 8-729-271-22 s 28C2712-G
 Q604 8-729-271-22 s 28C2712-G

Q605 8-729-901-03 s DTCL44WK
 Q606 8-729-271-22 s 28C2712-G
 Q607 8-729-271-22 s 28C2712-G
 Q608 8-729-271-22 s 28C2712-G
 Q701 8-729-177-33 s 2SD773-4

Q702 8-729-113-33 s 2SB733-4
 Q703 8-729-901-05 s DTA124EK
 Q704 8-729-901-03 s DTCL44WK
 Q705 8-729-901-05 s DTA124EK
 Q706 8-729-901-03 s DTCL44WK

Q707 8-729-901-03 s DTCL44WK
 Q901 8-729-271-22 s 28C2712-G

R3 1-216-641-11 s METAL CHIP 390 0.50X 1/10W
 R4 1-216-641-11 s METAL CHIP 390 0.50X 1/10W
 R8 1-216-641-11 s METAL CHIP 390 0.50X 1/10W
 R9 1-216-641-11 s METAL CHIP 390 0.50X 1/10W
 R12 1-216-679-11 s METAL CHIP 15K 0.50X 1/10W

R13 1-216-685-11 s METAL CHIP 27K 0.50X 1/10W
 R15 1-216-657-11 s METAL CHIP 1.8K 0.50X 1/10W
 R16 1-216-657-11 s METAL CHIP 1.8K 0.50X 1/10W
 R17 1-216-657-11 s METAL CHIP 1.8K 0.50X 1/10W
 R18 1-216-657-11 s METAL CHIP 1.8K 0.50X 1/10W

R20 1-216-679-11 s METAL CHIP 15K 0.50X 1/10W
 R21 1-216-685-11 s METAL CHIP 27K 0.50X 1/10W
 R23 1-216-657-11 s METAL CHIP 1.8K 0.50X 1/10W
 R24 1-216-657-11 s METAL CHIP 1.8K 0.50X 1/10W
 R25 1-216-657-11 s METAL CHIP 1.8K 0.50X 1/10W

R26 1-216-657-11 s METAL CHIP 1.8K 0.50X 1/10W
 R101 1-216-679-11 s METAL CHIP 10K 0.50X 1/10W
 R103 1-216-659-11 s METAL CHIP 2.2K 0.50X 1/10W
 R108 1-216-675-11 s METAL CHIP 10K 0.50X 1/10W
 R110 1-216-659-11 s METAL CHIP 2.2K 0.50X 1/10W

R115 1-216-655-11 s METAL CHIP 1.5K 0.50X 1/10W
 R116 1-216-655-11 s METAL CHIP 1.5K 0.50X 1/10W
 R120 1-216-663-11 s METAL CHIP 3.3K 0.50X 1/10W
 R121 1-216-655-11 s METAL CHIP 1.5K 0.50X 1/10W
 R201 1-216-670-11 s METAL CHIP 6.2K 0.50X 1/10W

R203 1-216-659-11 s METAL CHIP 2.2K 0.50X 1/10W
 R208 1-216-670-11 s METAL CHIP 6.2K 0.50X 1/10W
 R210 1-216-659-11 s METAL CHIP 2.2K 0.50X 1/10W
 R215 1-216-655-11 s METAL CHIP 1.5K 0.50X 1/10W
 R216 1-216-655-11 s METAL CHIP 1.5K 0.50X 1/10W

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
R220	1-216-663-11	■	METAL CHIP 3.3k 0.50Z 1/10W
R221	1-216-655-11	■	METAL CHIP 1.5k 0.50Z 1/10W
R314	1-216-666-11	■	METAL CHIP 4.3k 0.50Z 1/10W
R323	1-216-666-11	■	METAL CHIP 3.6k 0.50Z 1/10W
R324	1-216-671-11	■	METAL CHIP 6.8k 0.50Z 1/10W
R327	1-216-659-11	■	METAL CHIP 2.2k 0.50Z 1/10W
R328	1-216-671-11	■	METAL CHIP 6.8k 0.50Z 1/10W
R414	1-216-666-11	■	METAL CHIP 4.3k 0.50Z 1/10W
R423	1-216-664-11	■	METAL CHIP 3.6k 0.50Z 1/10W
R424	1-216-671-11	■	METAL CHIP 6.8k 0.50Z 1/10W
R427	1-216-659-11	■	METAL CHIP 2.2k 0.50Z 1/10W
R428	1-216-671-11	■	METAL CHIP 6.8k 0.50Z 1/10W
R501	1-216-663-11	■	METAL CHIP 3.3k 0.50Z 1/10W
R504	1-216-661-11	■	METAL CHIP 2.7k 0.50Z 1/10W
R505	1-216-647-11	■	METAL CHIP 680 0.50Z 1/10W
R506	1-216-659-11	■	METAL CHIP 2.2k 0.50Z 1/10W
R508	1-216-665-11	■	METAL CHIP 3.9k 0.50Z 1/10W
R509	1-216-677-11	■	METAL CHIP 12k 0.50Z 1/10W
R511	1-216-663-11	■	METAL CHIP 3.3k 0.50Z 1/10W
R512	1-216-661-11	■	METAL CHIP 2.7k 0.50Z 1/10W
R513	1-216-663-11	■	METAL CHIP 3.3k 0.50Z 1/10W
R515	1-216-663-11	■	METAL CHIP 3.3k 0.50Z 1/10W
R519	1-216-661-11	■	METAL CHIP 2.7k 0.50Z 1/10W
R520	1-216-659-11	■	METAL CHIP 2.2k 0.50Z 1/10W
R521	1-216-647-11	■	METAL CHIP 680 0.50Z 1/10W
R522	1-216-677-11	■	METAL CHIP 12k 0.50Z 1/10W
R523	1-216-665-11	■	METAL CHIP 3.9k 0.50Z 1/10W
R524	1-216-661-11	■	METAL CHIP 2.7k 0.50Z 1/10W
R525	1-216-663-11	■	METAL CHIP 3.3k 0.50Z 1/10W
R526	1-216-663-11	■	METAL CHIP 3.3k 0.50Z 1/10W
R527	1-216-669-11	■	METAL CHIP 5.6k 0.50Z 1/10W
R528	1-216-198-00	■	CHIP 1k 5Z 1/8W
R529	1-216-198-00	■	CHIP 1k 5Z 1/8W
R530	1-216-691-11	■	METAL CHIP 47k 0.50Z 1/10W
R531	1-216-668-11	■	METAL CHIP 5.1k 0.50Z 1/10W
R532	1-216-691-11	■	METAL CHIP 47k 0.50Z 1/10W
R533	1-216-668-11	■	METAL CHIP 5.1k 0.50Z 1/10W
R603	1-216-657-11	■	METAL CHIP 1.8k 0.50Z 1/10W
R604	1-216-657-11	■	METAL CHIP 1.8k 0.50Z 1/10W
R606	1-216-651-11	■	METAL CHIP 1k 0.50Z 1/10W
R607	1-216-651-11	■	METAL CHIP 1k 0.50Z 1/10W
R617	1-216-657-11	■	METAL CHIP 1.8k 0.50Z 1/10W
R618	1-216-657-11	■	METAL CHIP 1.8k 0.50Z 1/10W
R707	1-216-692-11	■	METAL CHIP 51k 0.50Z 1/10W
R708	1-216-692-11	■	METAL CHIP 51k 0.50Z 1/10W
R709	1-216-679-11	■	METAL CHIP 15k 0.50Z 1/10W
R718	1-216-682-11	■	METAL CHIP 20k 0.50Z 1/10W
R719	1-216-682-11	■	METAL CHIP 20k 0.50Z 1/10W
R721	1-216-682-11	■	METAL CHIP 20k 0.50Z 1/10W
RV2	1-226-774-00	■	VAR, METAL GLAZE 47k
RV4	1-226-774-00	■	VAR, METAL GLAZE 47k
RV5	1-230-524-11	■	VAR, CERMET 22k
RV6	1-230-524-11	■	VAR, CERMET 22k
RV101	1-237-516-21	■	VAR, CERMET 2k
RV102	1-230-522-11	■	VAR, CERMET 4.7k
RV103	1-237-516-21	■	VAR, CERMET 2k
RV104	1-226-701-00	■	VAR, METAL GLAZE 22k
RV105	1-237-519-21	■	VAR, CERMET 20k
RV201	1-237-516-21	■	VAR, CERMET 2k

Ref.No.	Parts No.	SP	Description
RV202	1-230-522-11	■	VAR, CERMET 4.7k
RV203	1-237-516-21	■	VAR, CERMET 2k
RV204	1-226-701-00	■	VAR, METAL GLAZE 22k
RV205	1-237-519-21	■	VAR, CERMET 20k
RV304	1-230-523-11	■	VAR, CERMET 10k
RV404	1-230-523-11	■	VAR, CERMET 10k
RV501	1-237-515-21	■	VAR, CERMET 1k
RV502	1-237-515-21	■	VAR, CERMET 1k
RV601	1-230-524-11	■	VAR, CERMET 22k
RV602	1-230-522-11	■	VAR, CERMET 4.7k
RV603	1-230-524-11	■	VAR, CERMET 22k
S1	1-570-374-11	■	SLIDE

AD-75P BOARD

A-6713-310-A o MOUNTED CIRCUIT BOARD, AU-75P

C19	1-124-236-00	■	ELECT	47	20X 10V
C20	1-124-236-00	■	ELECT	47	20X 10V
C101	1-124-637-00	■	ELECT	10	20X 50V
C102	1-124-657-00	■	ELECT	10	20X 50V
C105	1-124-236-00	■	ELECT	47	20X 16V
C106	1-124-236-00	■	ELECT	47	20X 16V
C107	1-124-236-00	■	ELECT	47	20X 10V
C108	1-124-598-11	■	ELECT	22	20X 25V
C110	1-124-236-00	■	ELECT	47	20X 10V
C112	1-124-236-00	■	ELECT	47	20X 10V
C114	1-124-462-00	■	ELECT	10	20X 16V
C115	1-124-462-00	■	ELECT	10	20X 16V
C122	1-124-462-00	■	ELECT	10	20X 16V
C123	1-124-462-00	■	ELECT	10	20X 16V
C124	1-124-236-00	■	ELECT	47	20X 16V
C125	1-124-236-00	■	ELECT	47	20X 16V
C133	1-124-462-00	■	ELECT	10	20X 16V
C134	1-124-462-00	■	ELECT	10	20X 16V
C139	1-124-462-00	■	ELECT	10	20X 16V
C143	1-124-236-00	■	ELECT	47	20X 16V
C144	1-124-236-00	■	ELECT	47	20X 16V
C145	1-124-462-00	■	ELECT	10	20X 16V
C149	1-102-116-00	■	CERAMIC	680pF	10X 50V
C150	1-124-462-00	■	ELECT	10	20X 16V
C151	1-124-236-00	■	ELECT	47	20X 16V
C155	1-124-236-00	■	ELECT	47	20X 16V
C156	1-124-236-00	■	ELECT	47	20X 16V
C160	1-102-108-00	■	CERAMIC	150pF	10X 50V
C201	1-124-657-00	■	ELECT	10	20X 50V
C202	1-124-657-00	■	ELECT	10	20X 50V
C205	1-124-236-00	■	ELECT	47	20X 16V
C206	1-124-236-00	■	ELECT	47	20X 16V
C207	1-124-236-00	■	ELECT	47	20X 10V
C208	1-124-598-11	■	ELECT	22	20X 25V
C210	1-124-236-00	■	ELECT	47	20X 10V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

C212 1-124-236-00 ■ ELECT 47 20X 10V
 C214 1-124-462-00 ■ ELECT 10 20X 16V
 C215 1-124-462-00 ■ ELECT 10 20X 16V
 C222 1-124-462-00 ■ ELECT 10 20X 16V
 C223 1-124-462-00 ■ ELECT 10 20X 16V

C224 1-124-236-00 ■ ELECT 47 20X 16V
 C225 1-124-236-00 ■ ELECT 47 20X 16V
 C233 1-124-462-00 ■ ELECT 10 20X 16V
 C234 1-124-462-00 ■ ELECT 10 20X 16V
 C239 1-124-462-00 ■ ELECT 10 20X 16V

C243 1-124-236-00 ■ ELECT 47 20X 16V
 C244 1-124-236-00 ■ ELECT 47 20X 16V
 C245 1-124-462-00 ■ ELECT 10 20X 16V
 C249 1-102-116-00 ■ CERAMIC 680pF 10X 50V
 C250 1-124-462-00 ■ ELECT 10 20X 16V

C251 1-124-236-00 ■ ELECT 47 20X 16V
 C255 1-124-236-00 ■ ELECT 47 20X 16V
 C256 1-124-236-00 ■ ELECT 47 20X 16V
 C260 1-102-108-00 ■ CERAMIC 150pF 10X 50V
 C302 1-124-462-00 ■ ELECT 10 20X 16V

C304 1-124-462-00 ■ ELECT 10 20X 16V
 C405 1-163-271-00 ■ CERAMIC 680pF 5X 50V
 C408 1-124-462-00 ■ ELECT 10 20X 16V
 C409 1-124-462-00 ■ ELECT 10 20X 16V
 C411 1-102-108-00 ■ CERAMIC 150pF 10X 50V

C505 1-163-271-00 ■ CERAMIC 680pF 5X 50V
 C508 1-124-462-00 ■ ELECT 10 20X 16V
 C509 1-124-462-00 ■ ELECT 10 20X 16V
 C511 1-102-108-00 ■ CERAMIC 150pF 10X 50V

CN203 1-506-748-11 ■ DIN 96P

D101 8-719-100-03 ■ 1S2835
 D102 8-719-100-03 ■ 1S2835
 D103 8-719-100-03 ■ 1S2835
 D104 8-719-100-03 ■ 1S2835
 D105 8-719-100-03 ■ 1S2835

D106 8-719-100-03 ■ 1S2835
 D201 8-719-100-03 ■ 1S2835
 D202 8-719-100-03 ■ 1S2835
 D203 8-719-100-03 ■ 1S2835
 D204 8-719-100-03 ■ 1S2835

D205 8-719-100-03 ■ 1S2835
 D206 8-719-100-03 ■ 1S2835
 D301 8-719-100-03 ■ 1S2835

FL101 1-236-171-11 ■ LOW-PASS 15kHz
 FL201 1-236-171-11 ■ LOW-PASS 15kHz

IC101 8-759-700-84 ■ NJM2041M-D (JRC)
 IC104 8-741-115-20 ■ BX1152 (SONY)
 IC105 8-759-745-64 ■ NJM4560M (JRC)
 IC106 8-759-745-64 ■ NJM4560M (JRC)
 IC107 8-759-745-64 ■ NJM4560M (JRC)

IC108 8-759-200-68 ■ TC4011BF (TOSHIBA)
 IC109 8-759-700-94 ■ NJM5532M (JRC)
 IC110 8-759-700-84 ■ NJM2041M-D (JRC)
 IC111 8-759-700-84 ■ NJM2041M-D (JRC)
 IC112 8-741-134-32 ■ BX1343A (SONY)

Ref.No. Parts No. SP Description

IC201 8-759-700-84 ■ NJM2041M-D (JRC)
 IC204 8-741-115-20 ■ BX1152 (SONY)
 IC205 8-759-745-64 ■ NJM4560M (JRC)
 IC206 8-759-745-64 ■ NJM4560M (JRC)
 IC207 8-759-745-64 ■ NJM4560M (JRC)

IC208 8-759-200-68 ■ TC4011BF (TOSHIBA)
 IC209 8-759-700-94 ■ NJM5532M (JRC)
 IC210 8-759-700-84 ■ NJM2041M-D (JRC)
 IC211 8-759-700-84 ■ NJM2041M-D (JRC)
 IC212 8-741-134-32 ■ BX1343A (SONY)

IC301 8-759-700-84 ■ NJM2041M-D (JRC)
 IC302 8-759-200-84 ■ TC4081BF (TOSHIBA)
 IC401 8-759-745-64 ■ NJM4560M (JRC)
 IC501 8-759-745-64 ■ NJM4560M (JRC)
 IC801 8-759-700-84 ■ NJM2041M-D (JRC)

IC811 8-759-700-84 ■ NJM2041M-D (JRC)
 IC812 8-759-700-84 ■ NJM2041M-D (JRC)
 IC821 8-759-700-84 ■ NJM2041M-D (JRC)
 IC822 8-759-700-84 ■ NJM2041M-D (JRC)

L1 1-459-155-00 ■ 45 (WITH CORE)

LV101 1-459-434-00 ■ VAR 2200H
 LV102 1-459-411-00 ■ VAR 1800H
 LV103 1-459-411-00 ■ VAR 1800H
 LV201 1-459-434-00 ■ VAR 2200H
 LV202 1-459-411-00 ■ VAR 1800H

LV203 1-459-411-00 ■ VAR 1800H
 LV401 1-407-297-00 ■ MICRO 3.5MMH
 LV501 1-407-297-00 ■ MICRO 3.5MMH

Q1 8-729-905-53 ■ 2SD1055-R
 Q2 8-729-982-23 ■ 2SB822-R
 Q3 8-759-708-05 ■ NJM78L05A (JRC)
 Q4 8-759-700-65 ■ NJM78L05A (JRC)
 Q101 8-720-002-92 ■ TX429H

Q102 8-729-202-38 ■ 2SC3326N
 Q103 8-729-202-38 ■ 2SC3326N
 Q104 8-720-002-92 ■ TX429H
 Q105 8-729-271-23 ■ 2SC2712
 Q106 8-729-271-23 ■ 2SC2712

Q107 8-729-178-55 ■ 2SC2785-E*(28)
 Q108 8-729-178-55 ■ 2SC2785-E*(28)
 Q109 8-729-901-06 ■ DTA144EX
 Q110 8-729-901-06 ■ DTA144EX
 Q111 8-729-216-21 ■ 2SA1162-Y

Q112 8-729-216-21 ■ 2SA1162-Y
 Q113 8-729-901-06 ■ DTA144EX
 Q114 8-729-901-01 ■ DTC144EX
 Q115 8-729-901-06 ■ DTA144EX
 Q116 8-729-901-01 ■ DTC144EX

Q201 8-720-002-92 ■ TX429H
 Q202 8-729-202-38 ■ 2SC3326N
 Q203 8-729-202-38 ■ 2SC3326N
 Q204 8-720-002-92 ■ TX429H
 Q205 8-729-271-23 ■ 2SC2712

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q206 8-729-271-23 2SC2712
 Q207 8-729-178-55 2SC2785-E*(28)
 Q208 8-729-178-55 2SC2785-E*(28)
 Q209 8-729-901-06 DTA144EX
 Q210 8-729-901-06 DTA144EX

Q211 8-729-216-21 2SA1162-Y
 Q212 8-729-216-21 2SA1162-Y
 Q213 8-729-901-06 DTA144EX
 Q214 8-729-901-01 DTC144EX
 Q215 8-729-901-06 DTA144EX

Q216 8-729-901-01 DTC144EX
 Q301 8-729-202-38 2SC3326N
 Q302 8-729-901-06 DTA144EX
 Q303 8-729-901-01 DTC144EX
 Q304 8-729-901-06 DTA144EX

Q305 8-729-901-06 DTA144EX

R1 1-247-745-11 CARBON 330 5% 1/2W
 R2 1-247-745-11 CARBON 330 5% 1/2W
 R140 1-216-748-11 METAL CHIP 39k 5% 1/10W
 R142 1-216-649-11 METAL CHIP 820 0.50% 1/10W
 R152 1-216-748-11 METAL CHIP 39k 5% 1/10W

R154 1-216-673-11 METAL CHIP 8.2k 0.50% 1/10W
 R189 1-216-681-11 METAL CHIP 18k 0.50% 1/10W
 R191 1-216-681-11 METAL CHIP 18k 0.50% 1/10W
 R240 1-216-748-11 METAL CHIP 39k 5% 1/10W
 R242 1-216-649-11 METAL CHIP 820 0.50% 1/10W

R252 1-216-748-11 METAL CHIP 39k 5% 1/10W
 R254 1-216-673-11 METAL CHIP 8.2k 0.50% 1/10W
 R289 1-216-681-11 METAL CHIP 18k 0.50% 1/10W
 R291 1-216-681-11 METAL CHIP 18k 0.50% 1/10W
 R813 1-216-691-11 METAL CHIP 47k 0.50% 1/10W

R814 1-216-683-11 METAL CHIP 22k 0.50% 1/10W
 R817 1-216-683-11 METAL CHIP 22k 0.50% 1/10W
 R819 1-216-683-11 METAL CHIP 22k 0.50% 1/10W
 R823 1-216-691-11 METAL CHIP 47k 0.50% 1/10W
 R824 1-216-683-11 METAL CHIP 22k 0.50% 1/10W

R827 1-216-683-11 METAL CHIP 22k 0.50% 1/10W
 R829 1-216-693-11 METAL CHIP 56k 0.50% 1/10W
 R832 1-216-681-11 METAL CHIP 18k 0.50% 1/10W
 R834 1-216-681-11 METAL CHIP 18k 0.50% 1/10W
 R835 1-216-675-11 METAL CHIP 10k 0.50% 1/10W

R842 1-216-681-11 METAL CHIP 18k 0.50% 1/10W
 R844 1-216-697-11 METAL CHIP 82k 0.50% 1/10W
 R845 1-216-675-11 METAL CHIP 10k 0.50% 1/10W
 R847 1-216-684-11 METAL CHIP 24k 0.50% 1/10W

RV101 1-237-503-21 VAR, CERMET 10k
 RV102 1-237-504-21 VAR, CERMET 20k
 RV103 1-237-517-21 VAR, CERMET 5k
 RV104 1-237-503-21 VAR, CERMET 10k
 RV105 1-237-504-21 VAR, CERMET 20k

RV106 1-237-517-21 VAR, CERMET 5k
 RV107 1-237-520-21 VAR, CERMET 50k
 RV108 1-237-518-21 VAR, CERMET 10k
 RV110 1-237-518-21 VAR, CERMET 10k
 RV201 1-237-503-21 VAR, CERMET 10k

Ref.No. Parts No. SP Description

RV202 1-237-504-21 VAR, CERMET 20k
 RV203 1-237-517-21 VAR, CERMET 5k
 RV204 1-237-503-21 VAR, CERMET 10k
 RV205 1-237-504-21 VAR, CERMET 20k
 RV206 1-237-517-21 VAR, CERMET 5k

RV207 1-237-520-21 VAR, CERMET 50k
 RV208 1-237-518-21 VAR, CERMET 10k
 RV210 1-237-518-21 VAR, CERMET 10k
 RV401 1-237-518-21 VAR, CERMET 10k
 RV402 1-237-518-21 VAR, CERMET 10k

RV403 1-237-518-21 VAR, CERMET 10k
 RV404 1-237-517-21 VAR, CERMET 5k
 RV405 1-237-517-21 VAR, CERMET 5k
 RV501 1-237-518-21 VAR, CERMET 10k
 RV502 1-237-518-21 VAR, CERMET 10k

RV503 1-237-518-21 VAR, CERMET 10k
 RV504 1-237-520-21 VAR, CERMET 50k
 RV505 1-237-515-21 VAR, CERMET 1k
 RV811 1-237-517-21 VAR, CERMET 5k
 RV821 1-237-517-21 VAR, CERMET 5k

AB-76P BOARD

A-6713-311-A MOUNTED CIRCUIT BOARD, AU-76P

C1 1-126-103-11 ELECT 470 20% 16V
 C2 1-126-103-11 ELECT 470 20% 16V
 C5 1-126-103-11 ELECT 470 20% 16V
 C6 1-126-103-11 ELECT 470 20% 16V
 C7 1-131-405-00 TANTAL 0.33

C8 1-131-405-00 TANTAL 0.33
 C9 1-131-405-00 TANTAL 0.33
 C10 1-131-405-00 TANTAL 0.33
 C23 1-124-236-00 ELECT 47 20% 16V
 C24 1-124-236-00 ELECT 47 20% 16V

C109 1-124-236-00 ELECT 47 20% 16V
 C110 1-124-236-00 ELECT 47 20% 16V
 C111 1-124-462-00 ELECT 10 20% 16V
 C112 1-124-598-11 ELECT 22 20% 25V
 C113 1-124-462-00 ELECT 10 20% 16V

C117 1-124-462-00 ELECT 10 20% 16V
 C119 1-124-236-00 ELECT 47 20% 16V
 C120 1-124-236-00 ELECT 47 20% 16V
 C124 1-124-236-00 ELECT 47 20% 16V
 C128 1-124-462-00 ELECT 10 20% 16V

C129 1-124-236-00 ELECT 47 20% 16V
 C134 1-124-462-00 ELECT 10 20% 16V
 C136 1-109-631-00 MICA 330pF 5% 500V
 C145 1-124-584-00 ELECT 100 20% 10V
 C146 1-124-584-00 ELECT 100 20% 10V

C151 1-124-462-00 ELECT 10 20% 16V
 C155 1-124-234-00 ELECT 22 20% 16V
 C157 1-124-234-00 ELECT 22 20% 16V
 C158 1-126-157-11 ELECT 10 20% 16V
 C209 1-124-236-00 ELECT 47 20% 16V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

C210	1-124-236-00	s	ELECT	47	20X	16V
C211	1-124-462-00	s	ELECT	10	20X	16V
C212	1-124-598-11	s	ELECT	22	20X	25V
C213	1-124-462-00	s	ELECT	10	20X	16V
C217	1-124-462-00	s	ELECT	10	20X	16V
C219	1-124-236-00	s	ELECT	47	20X	16V
C220	1-124-236-00	s	ELECT	47	20X	16V
C224	1-124-236-00	s	ELECT	47	20X	16V
C228	1-124-462-00	s	ELECT	10	20X	16V
C229	1-124-236-00	s	ELECT	47	20X	16V
C234	1-124-462-00	s	ELECT	10	20X	16V
C236	1-109-631-00	s	MICA	330pF	5X	500V
C245	1-124-584-00	s	ELECT	100	20X	10V
C246	1-124-584-00	s	ELECT	100	20X	10V
C251	1-124-462-00	s	ELECT	10	20X	16V
C255	1-124-234-00	s	ELECT	22	20X	16V
C257	1-124-234-00	s	ELECT	22	20X	16V
C258	1-126-157-11	s	ELECT	10	20X	16V
C264	1-163-251-11	s	CERAMIC	100pF	5X	50V
C309	1-124-236-00	s	ELECT	47	20X	16V
C310	1-124-236-00	s	ELECT	47	20X	16V
C311	1-124-589-11	s	ELECT	47	20X	10V
C312	1-124-589-11	s	ELECT	47	20X	10V
C502	1-124-236-00	s	ELECT	47	20X	16V
C509	1-124-236-00	s	ELECT	47	20X	16V
C512	1-109-631-00	s	MICA	330pF	5X	500V
C513	1-109-630-00	s	MICA	270pF	5X	500V
C515	1-109-631-00	s	MICA	330pF	5X	500V
C602	1-124-236-00	s	ELECT	47	20X	16V
C609	1-124-236-00	s	ELECT	47	20X	16V
C612	1-109-631-00	s	MICA	330pF	5X	500V
C613	1-109-630-00	s	MICA	270pF	5X	500V
C615	1-109-631-00	s	MICA	330pF	5X	500V
C811	1-162-889-11	s	CERAMIC	680pF	5X	50V
C822	1-162-889-11	s	CERAMIC	680pF	5X	50V

CW204 1-506-748-11 s DIN 96P

D1	8-719-200-02	s	10E2			
D2	8-719-200-02	s	10E2			
D3	8-719-100-03	s	1S2835			
D101	8-719-100-05	s	1S2837			
D102	8-719-100-05	s	1S2837			
D103	8-719-109-57	s	RD2,4ES-B2			
D104	8-719-110-41	s	RD15ES-B2			
D105	8-719-110-41	s	RD15ES-B2			
D106	8-719-100-03	s	1S2835			
D201	8-719-100-05	s	1S2837			
D202	8-719-100-05	s	1S2837			
D203	8-719-109-57	s	RD2,4ES-B2			
D204	8-719-110-41	s	RD15ES-B2			
D205	8-719-110-41	s	RD15ES-B2			
D206	8-719-100-03	s	1S2835			
D301	8-719-100-05	s	1S2837			
D302	8-719-100-05	s	1S2837			
D303	8-719-100-05	s	1S2837			
D501	8-719-100-05	s	1S2837			
D502	8-719-100-05	s	1S2837			
D503	8-719-100-05	s	1S2837			
D601	8-719-100-05	s	1S2837			
D602	8-719-100-05	s	1S2837			
D603	8-719-100-05	s	1S2837			

Ref.No. Parts No. SP Description

FL101	1-236-171-11	s	LOW-PASS	15kHz		
IC1	8-759-708-05	s	NJM78105A (JRC)			
IC2	8-759-700-65	s	NJM79105A (JRC)			
IC101	8-759-700-09	s	NJM2043M-D (JRC)			
IC103	8-741-115-20	s	BK1152 (SONY)			
IC104	8-759-700-94	s	NJM5532M (JRC)			
IC106	8-759-700-09	s	NJM2043M-D (JRC)			
IC107	8-759-700-84	s	NJM2041M-D (JRC)			
IC201	8-759-700-09	s	NJM2043M-D (JRC)			
IC203	8-741-115-20	s	BK1152 (SONY)			
IC204	8-759-700-94	s	NJM5532M (JRC)			
IC206	8-759-700-09	s	NJM2043M-D (JRC)			
IC207	8-759-700-84	s	NJM2041M-D (JRC)			
IC301	8-759-200-68	s	TC4011BF (TOSHIBA)			
IC302	8-759-200-67	s	TC4001BF (TOSHIBA)			
IC303	8-759-700-94	s	NJM5532M (JRC)			
L3	1-459-155-00	s	45 (WITH CORE)			
L501	1-459-155-00	s	45 (WITH CORE)			
L601	1-459-155-00	s	45 (WITH CORE)			
LV101	1-459-634-00	s	VAR 22MHZ			
LV102	1-407-299-11	s	MICRO 5.6MHZ			
LV103	1-407-298-00	s	MICRO 4.5MHZ			
LV104	1-407-299-11	s	MICRO 5.6MHZ			
LV201	1-459-634-00	s	VAR 22MHZ			
LV202	1-407-299-11	s	MICRO 5.6MHZ			
LV203	1-407-298-00	s	MICRO 4.5MHZ			
LV204	1-407-299-11	s	MICRO 5.6MHZ			
Q1	8-729-901-01	s	DTCL44EK			
Q2	8-729-901-01	s	DTCL44EK			
Q3	8-729-905-53	s	2SD1055-R			
Q4	8-729-982-23	s	2SB822-R			
Q11	8-729-109-42	s	2SK94-X2			
Q12	8-729-901-01	s	DTCL44EK			
Q13	8-729-202-38	s	2SC3326N			
Q21	8-729-109-42	s	2SK94-X2			
Q22	8-729-901-01	s	DTCL44EK			
Q23	8-729-202-38	s	2SC3326N			
Q101	8-720-002-92	s	TK429M			
Q102	8-720-002-92	s	TK429M			
Q103	8-720-002-92	s	TK429M			
Q104	8-729-202-38	s	2SC3326N			
Q105	8-729-216-21	s	2SA1162-Y			
Q106	8-729-216-21	s	2SA1162-Y			
Q107	8-729-202-38	s	2SC3326N			
Q108	8-729-901-06	s	DTAL44EK			
Q110	8-729-202-38	s	2SC3326N			
Q111	8-729-216-21	s	2SA1162-Y			
Q112	8-729-109-42	s	2SK94-X2			
Q113	8-729-271-23	s	2SC2712			
Q115	8-729-202-38	s	2SC3326N			
Q116	8-729-202-38	s	2SC3326N			
Q117	8-729-202-38	s	2SC3326N			

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q118 8-729-901-06 DTA144EX
 Q119 8-729-901-01 DTA144EX
 Q120 8-729-901-06 DTA144EX
 Q121 8-729-901-01 DTC144EX
 Q122 8-729-901-06 DTA144EX

Q123 8-729-901-01 DTC144EX
 Q124 8-729-271-23 28C2712
 Q125 8-729-804-09 2SA1319-T
 Q126 8-729-803-89 28C3332-T
 Q127 8-729-803-89 28C3332-T

Q201 8-720-002-92 TX429H
 Q202 8-720-002-92 TX429H
 Q203 8-720-002-92 TX429H
 Q204 8-729-202-38 28C3326N
 Q205 8-729-216-21 2SA1162-Y

Q206 8-729-216-21 2SA1162-Y
 Q207 8-729-202-38 28C3326N
 Q208 8-729-901-06 DTA144EX
 Q210 8-729-202-38 28C3326N
 Q211 8-729-216-21 2SA1162-Y

Q212 8-729-109-62 28K94-X2
 Q213 8-729-271-23 28C2712
 Q215 8-729-202-38 28C3326N
 Q216 8-729-202-38 28C3326N
 Q217 8-729-202-38 28C3326N

Q218 8-729-901-06 DTA144EX
 Q219 8-729-901-01 DTC144EX
 Q220 8-729-901-06 DTA144EX
 Q221 8-729-901-01 DTC144EX
 Q222 8-729-901-06 DTA144EX

Q223 8-729-901-01 DTC144EX
 Q224 8-729-271-23 28C2712
 Q225 8-729-804-09 2SA1319-T
 Q226 8-729-803-89 28C3332-T
 Q227 8-729-803-89 28C3332-T

Q301 8-729-901-06 DTA144EX
 Q302 8-729-901-01 DTC144EX
 Q303 8-729-901-06 DTA144EX
 Q304 8-729-901-01 DTC144EX
 Q305 8-729-901-06 DTA144EX

Q306 8-729-901-01 DTC144EX
 Q307 8-729-901-06 DTA144EX
 Q308 8-729-901-01 DTC144EX
 Q309 8-729-901-06 DTA144EX
 Q310 8-729-901-06 DTA144EX

Q311 8-729-901-06 DTA144EX
 Q313 8-729-271-23 28C2712
 Q314 8-729-216-21 2SA1162-Y
 Q315 8-729-102-29 28C223
 Q316 8-729-901-06 DTA144EX

Q317 8-729-901-01 DTC144EX
 Q318 8-729-901-06 DTA144EX
 Q301 8-729-304-92 28B649A
 Q302 8-729-271-23 28C2712
 Q303 8-729-901-01 DTC144EX

Q504 8-729-901-06 DTA144EX
 Q505 8-729-901-01 DTC144EX
 Q506 8-729-901-01 DTC144EX
 Q507 8-729-905-53 2SD1055-R
 Q508 8-729-905-53 2SD1055-R

Ref.No. Parts No. SP Description

Q509 8-729-905-53 2SD1055-R
 Q510 8-729-905-53 2SD1055-R
 Q511 8-729-801-72 28C2603-E
 Q601 8-729-304-92 28B649A
 Q602 8-729-271-23 28C2712

Q603 8-729-901-01 DTC144EX
 Q604 8-729-901-06 DTA144EX
 Q605 8-729-901-01 DTC144EX
 Q606 8-729-901-01 DTC144EX
 Q607 8-729-905-53 2SD1055-R

Q608 8-729-905-53 2SD1055-R
 Q609 8-729-905-53 2SD1055-R
 Q610 8-729-905-53 2SD1055-R
 Q611 8-729-801-72 28C2603-E
 Q701 8-729-901-01 DTC144EX

Q711 8-729-109-62 28K94-X2
 Q712 8-729-901-01 DTC144EX
 Q713 8-729-202-38 28C3326N
 Q721 8-729-109-62 28K94-X2
 Q722 8-729-901-01 DTC144EX

Q723 8-729-202-38 28C3326N
 Q801 8-729-901-01 DTC144EX
 Q811 8-729-109-62 28K94-X2
 Q812 8-729-901-01 DTC144EX
 Q813 8-729-202-38 28C3326N

Q821 8-729-109-62 28K94-X2
 Q822 8-729-901-01 DTC144EX
 Q823 8-729-202-38 28C3326N

R101 1-216-631-11 METAL CHIP 150 0.50% 1/10W
 R102 1-216-633-11 METAL CHIP 180 0.50% 1/10W
 R105 1-216-659-11 METAL CHIP 100 0.50% 1/10W
 R107 1-216-671-11 METAL CHIP 6.8k 0.50% 1/10W
 R154 1-247-899-11 CARBON 680k 5% 1/4W

R159 1-216-603-11 METAL CHIP 10 0.50% 1/10W
 R166 1-216-657-11 METAL CHIP 68k 0.50% 1/10W
 R167 1-216-631-11 METAL CHIP 150 0.50% 1/10W
 R168 1-216-633-11 METAL CHIP 180 0.50% 1/10W
 R173 1-216-659-11 METAL CHIP 2.2k 0.50% 1/10W

R183 1-216-671-11 METAL CHIP 6.8k 0.50% 1/10W
 R184 1-216-697-11 METAL CHIP 68k 0.50% 1/10W
 R185 1-216-699-11 METAL CHIP 100k 0.50% 1/10W
 R188 1-216-683-11 METAL CHIP 22k 0.50% 1/10W
 R189 1-216-659-11 METAL CHIP 2.2k 0.50% 1/10W

R190 1-216-659-11 METAL CHIP 2.2k 0.50% 1/10W
 R195 1-216-650-11 METAL CHIP 910 0.50% 1/10W
 R196 1-216-668-11 METAL CHIP 5.1k 0.50% 1/10W
 R197 1-216-659-11 METAL CHIP 2.2k 0.50% 1/10W
 R198 1-216-659-11 METAL CHIP 2.2k 0.50% 1/10W

R201 1-216-631-11 METAL CHIP 150 0.50% 1/10W
 R202 1-216-633-11 METAL CHIP 180 0.50% 1/10W
 R205 1-216-699-11 METAL CHIP 100k 0.50% 1/10W
 R207 1-216-671-11 METAL CHIP 6.8k 0.50% 1/10W
 R254 1-247-899-11 CARBON 680k 5% 1/4W

R259 1-216-603-11 METAL CHIP 10 0.50% 1/10W
 R266 1-216-698-11 METAL CHIP 91k 0.50% 1/10W
 R267 1-216-631-11 METAL CHIP 150 0.50% 1/10W
 R268 1-216-633-11 METAL CHIP 180 0.50% 1/10W
 R273 1-216-659-11 METAL CHIP 2.2k 0.50% 1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
R283	1-216-671-11	■	METAL CHIP 6.8k 0.50X 1/10W
R284	1-216-698-11	■	METAL CHIP 91k 0.50X 1/10W
R285	1-216-699-11	■	METAL CHIP 100k 0.50X 1/10W
R288	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R289	1-216-659-11	■	METAL CHIP 2.2k 0.50X 1/10W
R290	1-216-659-11	■	METAL CHIP 2.2k 0.50X 1/10W
R295	1-216-650-11	■	METAL CHIP 5.1k 0.50X 1/10W
R296	1-216-668-11	■	METAL CHIP 5.1k 0.50X 1/10W
R297	1-216-659-11	■	METAL CHIP 2.2k 0.50X 1/10W
R298	1-216-659-11	■	METAL CHIP 2.2k 0.50X 1/10W
R312	1-216-671-11	■	METAL CHIP 6.8k 0.50X 1/10W
R313	1-216-655-11	■	METAL CHIP 1.5k 0.50X 1/10W
R314	1-216-655-11	■	METAL CHIP 1.5k 0.50X 1/10W
R315	1-216-671-11	■	METAL CHIP 6.8k 0.50X 1/10W
R317	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R319	1-216-640-11	■	METAL CHIP 360 0.50X 1/10W
R320	1-216-695-11	■	METAL CHIP 68k 0.50X 1/10W
R513	1-216-650-11	■	METAL CHIP 910 0.50X 1/10W
R514	1-214-816-00	■	METAL 10 1X 1/2W
R516	1-216-650-11	■	METAL CHIP 910 0.50X 1/10W
R524	1-214-816-00	■	METAL 10 1X 1/2W
R613	1-216-650-11	■	METAL CHIP 910 0.50X 1/10W
R614	1-214-816-00	■	METAL 10 1X 1/2W
R616	1-216-650-11	■	METAL CHIP 910 0.50X 1/10W
R624	1-214-816-00	■	METAL 10 1X 1/2W
R711	1-216-658-11	■	METAL CHIP 2k 0.50X 1/10W
R712	1-216-294-00	■	METAL CHIP 10M 5X 1/8W
R713	1-216-294-00	■	METAL CHIP 10M 5X 1/8W
R714	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R721	1-216-658-11	■	METAL CHIP 2k 0.50X 1/10W
R722	1-216-294-00	■	CHIP 10M 5X 1/8W
R723	1-216-294-00	■	CHIP 10M 5X 1/8W
R724	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R811	1-216-658-11	■	METAL CHIP 2k 0.50X 1/10W
R812	1-216-294-11	■	CHIP 10M 5X 1/8W
R813	1-216-294-11	■	CHIP 10M 5X 1/8W
R814	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R821	1-216-658-11	■	METAL CHIP 2k 0.50X 1/10W
R822	1-216-294-11	■	CHIP 10M 5X 1/8W
R823	1-216-294-11	■	CHIP 10M 5X 1/8W
R824	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
RV101	1-237-522-21	■	VAR, CERMET 200k
RV102	1-237-517-21	■	VAR, CERMET 5k
RV103	1-237-518-21	■	VAR, CERMET 10k
RV104	1-237-518-21	■	VAR, CERMET 10k
RV105	1-237-520-21	■	VAR, CERMET 50k
RV110	1-237-522-21	■	VAR, CERMET 200k
RV111	1-237-517-21	■	VAR, CERMET 5k
RV112	1-237-503-21	■	VAR, CERMET 10k
RV113	1-237-514-21	■	VAR, CERMET 500
RV114	1-237-514-21	■	VAR, CERMET 500
RV115	1-237-517-21	■	VAR, CERMET 50k
RV201	1-237-522-21	■	VAR, CERMET 200k
RV202	1-237-517-21	■	VAR, CERMET 5k
RV203	1-237-518-21	■	VAR, CERMET 10k
RV204	1-237-518-21	■	VAR, CERMET 10k
RV205	1-237-520-21	■	VAR, CERMET 50k
RV210	1-237-522-21	■	VAR, CERMET 200k
RV211	1-237-517-21	■	VAR, CERMET 5k
RV212	1-237-503-21	■	VAR, CERMET 10k
RV213	1-237-514-21	■	VAR, CERMET 500

Ref.No.	Parts No.	SP	Description
RV214	1-237-514-21	■	VAR, CERMET 500
RV215	1-237-520-21	■	VAR, CERMET 50k
RV301	1-237-519-21	■	VAR, CERMET 20k
RV302	1-237-518-21	■	VAR, CERMET 10k
RV501	1-237-504-21	■	VAR, CERMET 20k
RV502	1-237-498-21	■	VAR, CERMET 200
RV601	1-237-504-21	■	VAR, CERMET 20k
RV602	1-237-498-21	■	VAR, CERMET 200
S101	1-570-598-11	■	DIP
S102	1-570-598-11	■	DIP
S201	1-570-598-11	■	DIP
S202	1-570-598-11	■	DIP
S301	1-552-509-00	■	DIP
T501	1-433-326-11	■	BIAS OSCILLATION
T601	1-433-326-11	■	BIAS OSCILLATION

BF-28 BOARD

A-6713-273-A o MOUNTED CIRCUIT BOARD, BF-28

C51	1-124-258-00	■	ELECT	3.3	20X	25V
C52	1-124-258-00	■	ELECT	3.3	20X	25V
C53	1-124-258-00	■	ELECT	3.3	20X	25V
C54	1-124-258-00	■	ELECT	3.3	20X	25V
C101	1-124-236-00	■	ELECT	47	20X	16V
C102	1-124-236-00	■	ELECT	47	20X	16V
C201	1-124-236-00	■	ELECT	47	20X	16V
C202	1-124-236-00	■	ELECT	47	20X	16V
C301	1-124-236-00	■	ELECT	47	20X	16V
C302	1-124-236-00	■	ELECT	47	20X	16V
C401	1-124-236-00	■	ELECT	47	20X	16V
C402	1-124-236-00	■	ELECT	47	20X	16V
C501	1-124-462-00	■	ELECT	10	20X	16V
C505	1-124-462-00	■	ELECT	10	20X	6.3V
C506	1-135-100-21	■	TANTAL CHIP 6.8	20X	6.3V	
C601	1-124-462-00	■	ELECT	10	20X	16V
C605	1-124-462-00	■	ELECT	10	20X	6.3V
C606	1-135-100-21	■	TANTAL CHIP 6.8	20X	6.3V	
C701	1-124-462-00	■	ELECT	10	20X	16V
C705	1-124-462-00	■	ELECT	10	20X	6.3V
C706	1-135-100-21	■	TANTAL CHIP 6.8	20X	6.3V	
C801	1-124-462-00	■	ELECT	10	20X	16V
C805	1-124-462-00	■	ELECT	10	20X	6.3V
C806	1-135-100-21	■	TANTAL CHIP 6.8	20X	6.3V	
C901	1-124-236-00	■	ELECT	47	20X	16V
C902	1-124-236-00	■	ELECT	47	20X	16V
C903	1-124-229-00	■	ELECT	33	20X	10V
C904	1-124-229-00	■	ELECT	33	20X	10V
C905	1-124-229-00	■	ELECT	33	20X	10V
C906	1-124-229-00	■	ELECT	33	20X	10V

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

D51 8-719-100-03 ■ 1S2835
 D52 8-719-100-03 ■ 1S2835
 D53 8-719-100-03 ■ 1S2835
 D54 8-719-100-03 ■ 1S2835
 D55 8-719-100-03 ■ 1S2835

D56 8-719-100-03 ■ 1S2835
 D501 8-719-101-23 ■ 1S8123
 D502 8-719-101-23 ■ 1S8123
 D503 8-719-100-05 ■ 1S2837
 D505 8-719-101-23 ■ 1S8123

D506 8-719-101-23 ■ 1S8123
 D601 8-719-101-23 ■ 1S8123
 D602 8-719-101-23 ■ 1S8123
 D603 8-719-100-05 ■ 1S2837
 D605 8-719-101-23 ■ 1S8123

D606 8-719-101-23 ■ 1S8123
 D701 8-719-101-23 ■ 1S8123
 D702 8-719-101-23 ■ 1S8123
 D703 8-719-100-05 ■ 1S2837
 D705 8-719-101-23 ■ 1S8123

D706 8-719-101-23 ■ 1S8123
 D801 8-719-101-23 ■ 1S8123
 D802 8-719-101-23 ■ 1S8123
 D803 8-719-100-05 ■ 1S2837
 D805 8-719-101-23 ■ 1S8123

D806 8-719-101-23 ■ 1S8123
 D901 8-719-100-03 ■ 1S2835
 D902 8-719-101-23 ■ 1S8123

IC1 8-757-700-00 ■ CK770 (SONY)
 IC51 8-759-700-07 ■ NJM2903M (JRC)
 IC52 8-759-700-07 ■ NJM2903M (JRC)
 IC53 8-759-700-07 ■ NJM2903M (JRC)
 IC54 8-759-700-07 ■ NJM2903M (JRC)

IC101 8-759-700-84 ■ NJM2041M-D (JRC)
 IC201 8-759-700-84 ■ NJM2041M-D (JRC)
 IC301 8-759-700-84 ■ NJM2041M-D (JRC)
 IC401 8-759-700-84 ■ NJM2041M-D (JRC)
 IC501 8-759-745-64 ■ NJM4560M (JRC)

IC502 8-759-745-64 ■ NJM4560M (JRC)
 IC503 8-759-745-64 ■ NJM4560M (JRC)
 IC601 8-759-745-64 ■ NJM4560M (JRC)
 IC602 8-759-745-64 ■ NJM4560M (JRC)
 IC701 8-759-745-64 ■ NJM4560M (JRC)

IC702 8-759-745-64 ■ NJM4560M (JRC)
 IC703 8-759-745-64 ■ NJM4560M (JRC)
 IC801 8-759-745-64 ■ NJM4560M (JRC)
 IC802 8-759-745-64 ■ NJM4560M (JRC)
 IC901 8-759-932-64 ■ BU4052BF (ROHM)

IC902 8-759-700-84 ■ NJM2041M-D (JRC)
 IC903 8-759-200-78 ■ TC4030BF (TOSHIBA)
 IC904 8-759-745-64 ■ NJM4560M (JRC)

Q1 8-729-901-06 ■ DTAL44EX
 Q2 8-729-901-01 ■ DTCL44EX
 Q51 8-729-901-06 ■ DTAL44EX
 Q52 8-729-901-01 ■ DTCL44EX
 Q53 8-729-901-06 ■ DTAL44EX

Ref.No. Parts No. SP Description

Q54 8-729-901-01 ■ DTCL44EX
 Q55 8-729-901-06 ■ DTAL44EX
 Q56 8-729-901-01 ■ DTCL44EX
 Q57 8-729-901-01 ■ DTCL44EX
 Q58 8-729-202-38 ■ 2SC3326M

Q501 8-729-202-38 ■ 2SC3326M
 Q601 8-729-202-38 ■ 2SC3326M
 Q701 8-729-202-38 ■ 2SC3326M
 Q801 8-729-202-38 ■ 2SC3326M
 Q901 8-729-905-53 ■ 2SD1055-R

Q902 8-729-982-22 ■ 2SB822
 Q903 8-729-625-91 ■ 2SC2259

R51 1-216-696-11 ■ METAL CHIP 75k 0.50X 1/10W
 R56 1-216-696-11 ■ METAL CHIP 75k 0.50X 1/10W
 R78 1-216-685-11 ■ METAL CHIP 27k 0.50X 1/10W
 R79 1-216-675-11 ■ METAL CHIP 10k 0.50X 1/10W
 R101 1-216-070-00 ■ CHIP 7.5k 5X 1/10W

R201 1-216-070-00 ■ CHIP 7.5k 5X 1/10W
 R301 1-216-070-00 ■ CHIP 7.5k 5X 1/10W
 R401 1-216-070-00 ■ CHIP 7.5k 5X 1/10W
 R503 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W
 R504 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W

R505 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W
 R506 1-216-679-11 ■ METAL CHIP 15k 0.50X 1/10W
 R507 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W
 R509 1-216-693-11 ■ METAL CHIP 56k 0.50X 1/10W
 R510 1-216-748-11 ■ METAL CHIP 39k 5X 1/10W

R512 1-216-685-11 ■ METAL CHIP 27k 0.50X 1/10W
 R513 1-216-689-11 ■ METAL CHIP 39k 0.50X 1/10W
 R516 1-216-677-11 ■ METAL CHIP 12k 0.50X 1/10W
 R521 1-216-675-11 ■ METAL CHIP 10k 0.50X 1/10W
 R522 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W

R603 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W
 R604 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W
 R605 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W
 R606 1-216-679-11 ■ METAL CHIP 15k 0.50X 1/10W
 R607 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W

R609 1-216-693-11 ■ METAL CHIP 56k 0.50X 1/10W
 R610 1-216-748-11 ■ METAL CHIP 39k 5X 1/10W
 R612 1-216-685-11 ■ METAL CHIP 27k 0.50X 1/10W
 R613 1-216-689-11 ■ METAL CHIP 39k 0.50X 1/10W
 R616 1-216-677-11 ■ METAL CHIP 12k 0.50X 1/10W

R621 1-216-675-11 ■ METAL CHIP 10k 0.50X 1/10W
 R622 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W
 R703 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W
 R704 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W
 R705 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W

R706 1-216-679-11 ■ METAL CHIP 15k 0.50X 1/10W
 R707 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W
 R709 1-216-693-11 ■ METAL CHIP 56k 0.50X 1/10W
 R710 1-216-748-11 ■ METAL CHIP 39k 5X 1/10W
 R712 1-216-685-11 ■ METAL CHIP 27k 0.50X 1/10W

R713 1-216-689-11 ■ METAL CHIP 39k 0.50X 1/10W
 R716 1-216-677-11 ■ METAL CHIP 12k 0.50X 1/10W
 R721 1-216-675-11 ■ METAL CHIP 10k 0.50X 1/10W
 R722 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W
 R803 1-216-686-11 ■ METAL CHIP 30k 0.50X 1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
R804	1-216-686-11	■	METAL CHIP 30k 0.50Z 1/10W
R805	1-216-686-11	■	METAL CHIP 30k 0.50Z 1/10W
R806	1-216-679-11	■	METAL CHIP 15k 0.50Z 1/10W
R807	1-216-686-11	■	METAL CHIP 30k 0.50Z 1/10W
R809	1-216-693-11	■	METAL CHIP 56k 0.50Z 1/10W
R810	1-216-748-11	■	METAL CHIP 39k 5Z 1/10W
R812	1-216-685-11	■	METAL CHIP 27k 0.50Z 1/10W
R813	1-216-689-11	■	METAL CHIP 39k 0.50Z 1/10W
R816	1-216-677-11	■	METAL CHIP 12k 0.50Z 1/10W
R821	1-216-675-11	■	METAL CHIP 10k 0.50Z 1/10W
R822	1-216-686-11	■	METAL CHIP 30k 0.50Z 1/10W
R921	1-216-686-11	■	METAL CHIP 30k 0.50Z 1/10W
R922	1-216-686-11	■	METAL CHIP 30k 0.50Z 1/10W
R923	1-216-686-11	■	METAL CHIP 30k 0.50Z 1/10W
R924	1-216-679-11	■	METAL CHIP 15k 0.50Z 1/10W
R925	1-216-686-11	■	METAL CHIP 30k 0.50Z 1/10W
RV101	1-237-502-21	■	VAR, CERMET 5k
RV102	1-237-502-21	■	VAR, CERMET 5k
RV201	1-237-502-21	■	VAR, CERMET 5k
RV202	1-237-502-21	■	VAR, CERMET 5k
RV301	1-237-502-21	■	VAR, CERMET 5k
RV302	1-237-502-21	■	VAR, CERMET 5k
RV401	1-237-502-21	■	VAR, CERMET 5k
RV402	1-237-502-21	■	VAR, CERMET 5k
RV501	1-237-518-21	■	VAR, CERMET 10k
RV601	1-237-518-21	■	VAR, CERMET 10k
RV701	1-237-518-21	■	VAR, CERMET 10k
RV801	1-237-518-21	■	VAR, CERMET 10k
RV901	1-237-519-21	■	VAR, CERMET 20k
RV902	1-237-517-21	■	VAR, CERMET 5k
RV903	1-237-518-21	■	VAR, CERMET 10k

CCM-2 BOARD

1-623-198-11 ■ PRINTED CIRCUIT BOARD, CCM-2

M008 1-541-376-11 ■ MOTOR, DC (DNR-4700A)

CF-36P BOARD

All the component parts on the CF-36P board are supplied together when you order the DEC-42P board.

1-625-948-11 ■ PRINTED CIRCUIT BOARD, CF-36

C559	1-124-224-00	■	ELECT	47	20Z	6.3V
C680	1-162-881-11	■	CERAMIC	150pF	5Z	50V
C681	1-162-877-11	■	CERAMIC	82pF	5Z	50V
C739	1-135-093-21	■	TANTAL	10	10Z	10V
C741	1-135-093-21	■	TANTAL	10	10Z	10V
C742	1-135-093-21	■	TANTAL	10	10Z	10V
C744	1-135-093-21	■	TANTAL	10	10Z	10V
C745	1-135-093-21	■	TANTAL	10	10Z	10V

CN501 1-563-889-11 ■ SOCKET 14P
 CN502 1-565-061-11 ■ SOCKET 16P

Ref.No.	Parts No.	SP	Description
D507	8-719-100-03	■	IS2835
DL500	1-415-538-11	■	ACTIVE 100ns
DL501	1-415-541-11	■	ACTIVE 100ns
FB506	1-535-178-00	■	FERRITE BEAD
FL500	1-236-091-11	■	LOW-PASS
IC516	8-759-907-81	■	SN74LS221NS (TI)
IC517	8-759-907-81	■	SN74LS221NS (TI)
IC518	8-759-907-81	■	SN74LS221NS (TI)
IC519	8-759-200-81	■	TC4053BF (TOSHIBA)
IC522	8-759-907-81	■	SN74LS221NS (TI)
IC523	8-759-930-57	■	SN74LS164NS (TI)
IC527	8-759-205-06	■	TC74HC74F (TOSHIBA)
IC528	8-759-907-81	■	SN74LS221NS (TI)
IC529	8-759-205-06	■	TC74HC74F (TOSHIBA)
IC530	8-759-941-27	■	MB4002FF (FUJITSU)
IC531	8-759-941-27	■	MB4002FF (FUJITSU)
IC549	8-759-204-94	■	TC74HC00F (TOSHIBA)
IC550	8-759-204-98	■	TC74HC00F (TOSHIBA)
IC551	8-759-205-06	■	TC74HC74F (TOSHIBA)
IC552	8-759-204-94	■	TC74HC00F (TOSHIBA)
L712	1-610-482-31	■	MICRO 100
L713	1-610-482-31	■	MICRO 100
L714	1-610-482-31	■	MICRO 100
L715	1-610-482-31	■	MICRO 100
Q514	8-729-203-38	■	2SC3326H
Q515	8-729-271-23	■	2SC2712
Q516	8-729-271-23	■	2SC2712
Q517	8-729-271-23	■	2SC2712
R633	1-216-671-11	■	METAL CHIP 6.8k 0.50Z 1/10W
R638	1-216-680-11	■	METAL CHIP 16k 0.50Z 1/10W
R640	1-216-680-11	■	METAL CHIP 16k 0.50Z 1/10W
R646	1-216-666-11	■	METAL CHIP 4.3k 0.50Z 1/10W
R647	1-216-675-11	■	METAL CHIP 10k 0.50Z 1/10W
R660	1-216-657-11	■	METAL CHIP 1.8k 0.50Z 1/10W
R663	1-216-653-11	■	METAL CHIP 1.2k 0.50Z 1/10W
R668	1-216-667-11	■	METAL CHIP 4.7k 0.50Z 1/10W
R673	1-216-667-11	■	METAL CHIP 4.7k 0.50Z 1/10W
R675	1-216-667-11	■	METAL CHIP 4.7k 0.50Z 1/10W
R678	1-216-683-11	■	METAL CHIP 22k 0.50Z 1/10W
R683	1-216-644-11	■	METAL CHIP 510 0.50Z 1/10W
R684	1-216-644-11	■	METAL CHIP 510 0.50Z 1/10W
R690	1-216-694-11	■	METAL CHIP 62k 0.50Z 1/10W
RV506	1-230-522-11	■	VAR, METAL GLAZE 4.7k
RV507	1-230-522-11	■	VAR, METAL GLAZE 4.7k
RV508	1-230-521-11	■	VAR, METAL GLAZE 2.2k
RV509	1-230-522-11	■	VAR, METAL GLAZE 4.7k
RV510	1-230-522-11	■	VAR, METAL GLAZE 4.7k

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

CL-14, CP-101P/103P

Ref.No. Parts No. SP Description

CL-14 BOARD

1-622-602-11 o PRINTED CIRCUIT BOARD, CL-14

CN332 1-563-969-11 o 7P

CP-101P BOARD

A-6729-736-A o MOUNTED CIRCUIT BOARD, CP-101P

C1 1-124-584-00 o ELECT 100 20X 10V
C4 1-124-584-00 o ELECT 100 20X 10V
C8 1-124-584-00 o ELECT 100 20X 10V
C10 1-124-584-00 o ELECT 100 20X 10V
C52 1-124-584-00 o ELECT 100 20X 10V

C54 1-124-584-00 o ELECT 100 20X 10V
C104 1-124-141-00 o ELECT 330 20X 10V
C107 1-124-236-00 o ELECT 47 20X 16V
C204 1-124-141-00 o ELECT 330 20X 10V
C207 1-124-236-00 o ELECT 47 20X 16V

C304 1-124-141-00 o ELECT 330 20X 10V
C307 1-124-236-00 o ELECT 47 20X 16V
C404 1-124-141-00 o ELECT 330 20X 10V
C407 1-124-236-00 o ELECT 47 20X 16V
C421 1-126-103-11 o ELECT 470 20X 16V

C422 1-126-103-11 o ELECT 470 20X 16V
C423 1-126-103-11 o ELECT 470 20X 16V
C424 1-126-103-11 o ELECT 470 20X 16V
C427 1-102-106-00 o CERAMIC 100pF 10X 50V
C428 1-102-106-00 o CERAMIC 100pF 10X 50V

D101 8-719-910-95 o HZ982L
D102 8-719-910-95 o HZ982L
D103 8-719-910-95 o HZ982L
D104 8-719-910-95 o HZ982L
D201 8-719-910-95 o HZ982L

D202 8-719-910-95 o HZ982L
D203 8-719-910-95 o HZ982L
D204 8-719-910-95 o HZ982L
D301 8-719-910-95 o HZ982L
D302 8-719-910-95 o HZ982L

D303 8-719-910-95 o HZ982L
D304 8-719-910-95 o HZ982L
D401 8-719-910-95 o HZ982L
D402 8-719-910-95 o HZ982L
D403 8-719-910-95 o HZ982L

D404 8-719-910-95 o HZ982L

FB1 1-535-178-00 o FERRITE BEAD
FB2 1-535-178-00 o FERRITE BEAD
FB3 1-535-178-00 o FERRITE BEAD
FB4 1-535-178-00 o FERRITE BEAD
FB5 1-535-178-00 o FERRITE BEAD

FB6 1-535-178-00 o FERRITE BEAD

Ref.No. Parts No. SP Description

IC1 8-752-015-81 o CX20158 (SONY)
IC2 8-752-015-81 o CX20158 (SONY)
IC101 8-759-900-72 o NE5532P (TI)
IC102 8-759-900-72 o NE5532P (TI)
IC201 8-759-900-72 o NE5532P (TI)

IC301 8-759-900-72 o NE5532P (TI)
IC302 8-759-900-72 o NE5532P (TI)
IC401 8-759-900-72 o NE5532P (TI)

L1 1-410-482-31 o MICRO 100
L2 1-410-482-31 o MICRO 100

Q401 8-729-905-52 o 2SD1055
Q402 8-729-982-22 o 2SB822

R422 1-247-745-11 o CARBON 330 5X 1/2W
R423 1-247-745-11 o CARBON 330 5X 1/2W

S1 1-570-157-21 o SLIDE
S2 1-570-157-51 o SLIDE
S3 1-554-958-11 o SLIDE
S4 1-554-377-00 o SLIDE
S101 1-554-958-11 o SLIDE

S102 1-571-062-11 o SLIDE
S201 1-554-958-11 o SLIDE
S202 1-571-062-11 o SLIDE
S301 1-554-958-11 o SLIDE
S302 1-571-062-11 o SLIDE

S401 1-554-958-11 o SLIDE
S402 1-571-062-11 o SLIDE

CP-103P BOARD

A-6717-470-A o MOUNTED CIRCUIT BOARD, CP-103P

C1 1-124-234-00 o ELECT 22 20X 16V
C3 1-124-234-00 o ELECT 22 20X 16V
C465 1-126-103-11 o ELECT 470 20X 16V
C466 1-102-106-00 o CERAMIC 100pF 10X 50V
C467 1-126-103-11 o ELECT 470 20X 16V

C468 1-136-161-00 o MYLAR 0.047 10X 50V
C469 1-126-103-11 o ELECT 470 20X 16V
C470 1-136-161-00 o MYLAR 0.047 10X 50V
C471 1-102-106-00 o CERAMIC 100pF 10X 50V
C558 1-124-462-00 o ELECT 10 20X 16V

C559 1-124-462-00 o ELECT 10 20X 16V
C560 1-124-462-00 o ELECT 10 20X 16V
C561 1-124-462-00 o ELECT 10 20X 16V
C562 1-126-103-11 o ELECT 470 20X 16V
C563 1-126-103-11 o ELECT 470 20X 16V

CN501 1-559-264-11 o WIRE ASS'Y, FLAT TYPE (30 CORE)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description
 ICI 8-759-009-07 ■ MC14053RF (MOTOROLA)

L1 1-410-470-31 ■ MICRO 10
 L2 1-410-470-31 ■ MICRO 10

Q1 8-729-901-05 ■ DTA124K

RV1 1-237-696-11 ■ VAR, CARBON 5k
 RV2 1-237-696-11 ■ VAR, CARBON 5k
 RV3 1-237-696-11 ■ VAR, CARBON 5k
 RV4 1-237-695-11 ■ VAR, CARBON 5k
 RV5 1-237-696-11 ■ VAR, CARBON 5k

RV7 1-237-695-11 ■ VAR, CARBON 5k
 RV8 1-237-696-11 ■ VAR, CARBON 5k

S1 1-570-157-51 ■ SLIDE
 S2 1-570-157-51 ■ SLIDE
 S3 1-570-157-51 ■ SLIDE
 S4 1-570-157-51 ■ SLIDE
 S6 1-571-061-11 ■ SLIDE

S7 1-570-157-51 ■ SLIDE
 S8 1-570-157-51 ■ SLIDE
 S9 1-570-157-51 ■ SLIDE
 S10 1-570-157-51 ■ SLIDE
 S11 1-570-157-51 ■ SLIDE

S12 1-570-157-51 ■ SLIDE
 S15 1-554-949-11 ■ SLIDE

CP-111 BOARD

This board includes the CP-113 board.

A-6713-274-A ■ MOUNTED CIRCUIT BOARD, CP-111

1-561-832-00 ■ SOCKET, SHORT

C36 1-124-462-00 ■ ELECT 10 20X 16V
 C42 1-124-236-00 ■ ELECT 47 20X 16V
 C43 1-124-236-00 ■ ELECT 47 20X 16V
 C158 1-124-462-00 ■ ELECT 10 20X 16V
 C159 1-124-462-00 ■ ELECT 10 20X 16V

C160 1-124-462-00 ■ ELECT 10 20X 16V
 C161 1-124-462-00 ■ ELECT 10 20X 16V
 C162 1-126-103-11 ■ ELECT 470 20X 16V
 C163 1-126-103-11 ■ ELECT 470 20X 16V
 C258 1-124-462-00 ■ ELECT 10 20X 16V

C259 1-124-462-00 ■ ELECT 10 20X 16V
 C260 1-124-462-00 ■ ELECT 10 20X 16V
 C261 1-124-462-00 ■ ELECT 10 20X 16V
 C262 1-126-103-11 ■ ELECT 470 20X 16V
 C263 1-126-103-11 ■ ELECT 470 20X 16V

C264 1-126-103-11 ■ ELECT 470 20X 16V
 C265 1-126-103-11 ■ ELECT 470 20X 16V
 C266 1-102-106-00 ■ CERAMIC 100pF 10X 50V
 C267 1-126-103-11 ■ ELECT 470 20X 16V
 C268 1-136-161-00 ■ MYLAR 0.047 10X 50V

C269 1-126-103-11 ■ ELECT 470 20X 16V
 C270 1-136-161-00 ■ MYLAR 0.047 10X 50V
 C271 1-102-106-00 ■ CERAMIC 100pF 10X 50V
 C273 1-124-462-00 ■ ELECT 10 20X 16V
 C358 1-124-462-00 ■ ELECT 10 20X 16V

C359 1-124-462-00 ■ ELECT 10 20X 16V
 C360 1-124-462-00 ■ ELECT 10 20X 16V
 C361 1-124-462-00 ■ ELECT 10 20X 16V
 C362 1-126-103-11 ■ ELECT 470 20X 16V
 C363 1-126-103-11 ■ ELECT 470 20X 16V

C458 1-124-462-00 ■ ELECT 10 20X 16V
 C459 1-124-462-00 ■ ELECT 10 20X 16V
 C460 1-124-462-00 ■ ELECT 10 20X 16V
 C461 1-124-462-00 ■ ELECT 10 20X 16V
 C462 1-126-103-11 ■ ELECT 470 20X 16V

C463 1-126-103-11 ■ ELECT 470 20X 16V
 C464 1-126-103-11 ■ ELECT 470 20X 16V
 C658 1-124-462-00 ■ ELECT 10 20X 16V
 C659 1-124-462-00 ■ ELECT 10 20X 16V
 C660 1-124-462-00 ■ ELECT 10 20X 16V

C661 1-124-462-00 ■ ELECT 10 20X 16V
 C662 1-126-103-11 ■ ELECT 470 20X 16V
 C663 1-126-103-11 ■ ELECT 470 20X 16V
 C664 1-126-103-11 ■ ELECT 470 20X 16V
 C665 1-126-103-11 ■ ELECT 470 20X 16V

C666 1-102-106-00 ■ CERAMIC 100pF 10X 50V
 C667 1-126-103-11 ■ ELECT 470 20X 16V
 C668 1-136-161-00 ■ MYLAR 0.047 10X 50V
 C669 1-126-103-11 ■ ELECT 470 20X 16V
 C670 1-136-161-00 ■ MYLAR 0.047 10X 50V

C671 1-102-106-00 ■ CERAMIC 100pF 10X 50V

D151 8-719-921-11 ■ HZ2ALL
 D152 8-719-911-19 ■ 1SS119
 D153 8-719-911-19 ■ 1SS119
 D154 8-719-921-11 ■ HZ2ALL
 D155 8-719-921-11 ■ HZ2ALL

D156 8-719-911-19 ■ 1SS119
 D157 8-719-911-19 ■ 1SS119
 D158 8-719-921-11 ■ HZ2ALL
 D251 8-719-921-11 ■ HZ2ALL
 D252 8-719-911-19 ■ 1SS119

D253 8-719-911-19 ■ 1SS119
 D254 8-719-921-11 ■ HZ2ALL
 D255 8-719-921-11 ■ HZ2ALL
 D256 8-719-911-19 ■ 1SS119
 D257 8-719-911-19 ■ 1SS119

D258 8-719-921-11 ■ HZ2ALL
 D259 8-719-200-02 ■ 10E2
 D260 8-719-200-02 ■ 10E2
 D351 8-719-921-11 ■ HZ2ALL
 D352 8-719-911-19 ■ 1SS119

D353 8-719-911-19 ■ 1SS119
 D354 8-719-921-11 ■ HZ2ALL
 D355 8-719-921-11 ■ HZ2ALL
 D356 8-719-911-19 ■ 1SS119
 D357 8-719-911-19 ■ 1SS119

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

D358 8-719-921-11 ■ HZ2ALL
 D451 8-719-921-11 ■ HZ2ALL
 D452 8-719-911-19 ■ 1S8119
 D453 8-719-911-19 ■ 1S8119
 D454 8-719-921-11 ■ HZ2ALL

D455 8-719-921-11 ■ HZ2ALL
 D456 8-719-911-19 ■ 1S8119
 D457 8-719-911-19 ■ 1S8119
 D458 8-719-921-11 ■ HZ2ALL
 D551 8-719-921-11 ■ HZ2ALL

D552 8-719-911-19 ■ 1S8119
 D553 8-719-911-19 ■ 1S8119
 D554 8-719-921-11 ■ HZ2ALL
 D555 8-719-921-11 ■ HZ2ALL
 D556 8-719-911-19 ■ 1S8119

D557 8-719-911-19 ■ 1S8119
 D558 8-719-921-11 ■ HZ2ALL
 D651 8-719-921-11 ■ HZ2ALL
 D652 8-719-911-19 ■ 1S8119
 D653 8-719-911-19 ■ 1S8119

D654 8-719-921-11 ■ HZ2ALL
 D655 8-719-921-11 ■ HZ2ALL
 D656 8-719-911-19 ■ 1S8119
 D657 8-719-911-19 ■ 1S8119
 D658 8-719-921-11 ■ HZ2ALL

IC31 8-759-745-61 ■ NJM4560D-D (JRC)
 IC32 8-757-700-00 ■ CX770 (SONY)
 IC33 8-759-745-61 ■ NJM4560D-D (JRC)
 IC34 8-759-745-61 ■ NJM4560D-D (JRC)
 IC35 8-759-745-61 ■ NJM4560D-D (JRC)

IC36 8-757-700-00 ■ CX770 (SONY)
 IC37 8-759-700-04 ■ NJM2043D-D (JRC)
 IC38 8-757-700-00 ■ CX770 (SONY)
 IC39 8-759-700-04 ■ NJM2043D-D (JRC)
 IC40 8-759-700-04 ■ NJM2043D-D (JRC)

Q31 8-729-900-30 ■ DTA144EF
 Q32 8-729-201-05 ■ 28C2878-E
 Q33 8-729-900-30 ■ DTA144EF
 Q34 8-720-002-92 ■ 7X429H
 Q35 8-729-900-33 ■ DTC144EF

Q36 8-729-900-33 ■ DTC144EF
 Q37 8-729-900-30 ■ DTA144EF
 Q38 8-729-900-33 ■ DTC144EF
 Q155 8-729-306-92 ■ 2SD669A*(29)
 Q156 8-729-304-92 ■ 2SB649A*(29)

Q157 8-729-306-92 ■ 2SD669A*(29)
 Q158 8-729-304-92 ■ 2SB649A*(29)
 Q255 8-729-306-92 ■ 2SD669A*(29)
 Q256 8-729-364-92 ■ 2SB649A*(29)
 Q257 8-729-306-92 ■ 2SD669A*(29)

Q258 8-729-304-92 ■ 2SB649A*(29)
 Q259 8-729-905-53 ■ 2SD1055-R
 Q260 8-729-982-22 ■ 2SB822
 Q261 8-729-117-54 ■ 2SA1175
 Q355 8-729-306-92 ■ 2SD669A*(29)

Ref.No. Parts No. SP Description

Q356 8-729-304-92 ■ 2SB649A*(29)
 Q357 8-729-306-92 ■ 2SD669A*(29)
 Q358 8-729-304-92 ■ 2SB649A*(29)
 Q455 8-729-306-92 ■ 2SD669A*(29)
 Q456 8-729-304-92 ■ 2SB649A*(29)

Q457 8-729-306-92 ■ 2SD669A*(29)
 Q458 8-729-304-92 ■ 2SB649A*(29)
 Q459 8-729-905-53 ■ 2SD1055-R
 Q460 8-729-982-22 ■ 2SB822
 Q555 8-729-306-92 ■ 2SD669A*(29)

Q556 8-729-304-92 ■ 2SB649A*(29)
 Q557 8-729-306-92 ■ 2SD669A*(29)
 Q558 8-729-304-92 ■ 2SB649A*(29)
 Q655 8-729-306-92 ■ 2SD669A*(29)
 Q656 8-729-304-92 ■ 2SB649A*(29)

Q657 8-729-306-92 ■ 2SD669A*(29)
 Q658 8-729-304-92 ■ 2SB649A*(29)
 Q659 8-729-905-53 ■ 2SD1055-R
 Q660 8-729-982-22 ■ 2SB822

R39 1-247-887-00 ■ CARBON 220K 5% 1/4W
 R40 1-247-887-00 ■ CARBON 220K 5% 1/4W
 R41 1-247-887-00 ■ CARBON 220K 5% 1/4W
 R42 1-247-887-00 ■ CARBON 220K 5% 1/4W
 R43 1-247-887-00 ■ CARBON 220K 5% 1/4W

R44 1-247-887-00 ■ CARBON 220K 5% 1/4W
 R48 1-247-887-00 ■ CARBON 220K 5% 1/4W
 R49 1-247-887-00 ■ CARBON 220K 5% 1/4W
 R53 1-247-887-00 ■ CARBON 220K 5% 1/4W
 R54 1-247-887-00 ■ CARBON 220K 5% 1/4W

R55 1-247-887-00 ■ CARBON 220K 5% 1/4W
 R57 1-247-887-00 ■ CARBON 220K 5% 1/4W
 R58 1-247-887-00 ■ CARBON 220K 5% 1/4W
 R68 1-247-887-00 ■ CARBON 220K 5% 1/4W
 R173 1-247-731-11 ■ CARBON 22 5% 1/2W

R174 1-247-731-11 ■ CARBON 22 5% 1/2W
 R175 1-247-731-11 ■ CARBON 22 5% 1/2W
 R176 1-247-731-11 ■ CARBON 22 5% 1/2W
 R177 1-249-455-11 ■ CARBON 4.7 5% 1/4W
 R179 1-249-455-11 ■ CARBON 4.7 5% 1/4W

R273 1-247-731-11 ■ CARBON 22 5% 1/2W
 R274 1-247-731-11 ■ CARBON 22 5% 1/2W
 R275 1-247-731-11 ■ CARBON 22 5% 1/2W
 R276 1-247-731-11 ■ CARBON 22 5% 1/2W
 R277 1-249-455-11 ■ CARBON 4.7 5% 1/4W

R279 1-249-455-11 ■ CARBON 4.7 5% 1/4W
 R284 1-247-745-11 ■ CARBON 330 5% 1/2W
 R285 1-247-745-11 ■ CARBON 330 5% 1/2W
 R373 1-247-731-11 ■ CARBON 22 5% 1/2W
 R374 1-247-731-11 ■ CARBON 22 5% 1/2W

R375 1-247-731-11 ■ CARBON 22 5% 1/2W
 R376 1-247-731-11 ■ CARBON 22 5% 1/2W
 R377 1-249-455-11 ■ CARBON 4.7 5% 1/4W
 R379 1-249-455-11 ■ CARBON 4.7 5% 1/4W
 R473 1-247-731-11 ■ CARBON 22 5% 1/2W

R474 1-247-731-11 ■ CARBON 22 5% 1/2W
 R475 1-247-731-11 ■ CARBON 22 5% 1/2W
 R476 1-247-731-11 ■ CARBON 22 5% 1/2W
 R477 1-249-455-11 ■ CARBON 4.7 5% 1/4W
 R479 1-249-455-11 ■ CARBON 4.7 5% 1/4W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

R484 1-247-745-11 ■ CARBON 330 5X 1/2W
 R485 1-247-745-11 ■ CARBON 330 5X 1/2W
 R573 1-247-731-11 ■ CARBON 22 5X 1/2W
 R574 1-247-731-11 ■ CARBON 22 5X 1/2W
 R575 1-247-731-11 ■ CARBON 22 5X 1/2W

R576 1-247-731-11 ■ CARBON 22 5X 1/2W
 R577 1-249-455-11 ■ CARBON 4.7 5X 1/4W
 R579 1-249-455-11 ■ CARBON 4.7 5X 1/4W
 R673 1-247-731-11 ■ CARBON 22 5X 1/2W
 R674 1-247-731-11 ■ CARBON 22 5X 1/2W

R675 1-247-731-11 ■ CARBON 22 5X 1/2W
 R676 1-247-731-11 ■ CARBON 22 5X 1/2W
 R677 1-249-455-11 ■ CARBON 4.7 5X 1/4W
 R679 1-249-455-11 ■ CARBON 4.7 5X 1/4W
 R684 1-247-745-11 ■ CARBON 330 5X 1/2W

R685 1-247-745-11 ■ CARBON 330 5X 1/2W

RV151 1-230-522-11 ■ VAR, METAL GLAZE 4.7k
 RV251 1-230-522-11 ■ VAR, METAL GLAZE 4.7k
 RV351 1-230-522-11 ■ VAR, METAL GLAZE 4.7k
 RV451 1-230-522-11 ■ VAR, METAL GLAZE 4.7k
 RV551 1-230-522-11 ■ VAR, METAL GLAZE 4.7k
 RV651 1-230-522-11 ■ VAR, METAL GLAZE 4.7k

CP-113 BOARD

All the component parts on the CP-113 board are supplied together when you order the CP-111 board.

1-622-572-11 o PRINTED CIRCUIT BOARD, CP-113

CN1 1-566-099-11 o BOARD TO BOARD 15P

D51 8-719-101-23 ■ 1SS123
 D53 8-719-101-23 ■ 1SS123

IC51 8-759-745-64 ■ NJM4560M (JRC)

Q51 8-729-202-38 ■ 2SC3326N
 Q52 8-729-202-38 ■ 2SC3326N
 Q53 8-729-202-38 ■ 2SC3326N
 Q54 8-729-202-38 ■ 2SC3326N

R54 1-216-667-11 ■ METAL CHIP 4.7k 0.50X 1/10W
 R56 1-216-667-11 ■ METAL CHIP 4.7k 0.50X 1/10W
 R57 1-216-667-11 ■ METAL CHIP 4.7k 0.50X 1/10W
 R58 1-216-667-11 ■ METAL CHIP 4.7k 0.50X 1/10W
 R60 1-216-679-11 ■ METAL CHIP 15k 0.50X 1/10W

Ref.No. Parts No. SP Description

R62 1-216-679-11 ■ METAL CHIP 15k 0.50X 1/10W
 R78 1-216-679-11 ■ METAL CHIP 15k 0.50X 1/10W
 R81 1-216-631-11 ■ METAL CHIP 150 0.50X 1/10W
 R82 1-216-679-11 ■ METAL CHIP 15k 0.50X 1/10W

DE-15 BOARD

1-622-606-12 o PRINTED CIRCUIT BOARD, DE-15

1-559-266-11 o FLAT CABLE

3) DEC-39 BOARD

A-6711-894-A o MOUNTED CIRCUIT BOARD, DEC-39

C3 1-123-661-00 ■ ELECT 100 20X 6.3V
 C5 1-124-462-00 ■ ELECT 10 20X 16V
 C7 1-123-661-00 ■ ELECT 100 20X 6.3V
 C34 1-124-462-00 ■ ELECT 10 20X 16V
 C35 1-124-462-00 ■ ELECT 10 20X 16V

C38 1-124-462-00 ■ ELECT 10 20X 16V
 C39 1-124-462-00 ■ ELECT 10 20X 16V
 C40 1-124-462-00 ■ ELECT 10 20X 16V
 C41 1-124-462-00 ■ ELECT 10 20X 16V
 C42 1-124-462-00 ■ ELECT 10 20X 16V

C48 1-124-462-00 ■ ELECT 10 20X 16V
 C63 1-123-661-00 ■ ELECT 100 20X 6.3V
 C83 1-123-661-00 ■ ELECT 100 20X 6.3V
 C85 1-123-661-00 ■ ELECT 100 20X 6.3V
 C205 1-124-462-00 ■ ELECT 10 20X 16V

C221 1-162-728-11 ■ CERAMIC 560pF 1X 50V
 C222 1-162-728-11 ■ CERAMIC 560pF 1X 50V
 C226 1-162-730-11 ■ CERAMIC 680pF 1X 50V
 C406 1-124-462-11 ■ ELECT 10 20X 16V
 C408 1-124-462-11 ■ ELECT 10 20X 16V

C410 1-124-462-00 ■ ELECT 10 20X 16V
 C853 1-123-661-00 ■ ELECT 100 20X 6.3V
 C855 1-123-661-00 ■ ELECT 100 20X 6.3V
 C873 1-163-100-00 ■ CERMIC CHIP 20pF 5X 50V
 C874 1-124-462-00 ■ ELECT 100 20X 16V

CN105 1-506-748-11 ■ DIN 96P

D1 8-719-110-08 ■ RD8.2ES-B2
 D2 8-719-101-97 ■ 1SS97-1
 D3 8-719-101-97 ■ 1SS97-1
 D401 8-719-100-05 ■ 1S2837
 D402 8-719-100-05 ■ 1S2837
 D403 8-719-100-05 ■ 1S2837

DL31 1-415-404-11 ■ 113/113ns
 DL32 1-415-404-11 ■ 113/113ns
 DL62 1-415-309-00 ■ 350ns

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
IC1	8-752-030-81	■	CKA1040M (SONY)
IC2	8-752-030-80	■	CKA1039M (SONY)
IC3	8-759-200-81	■	TC4053BF (TOSHIBA)
IC31	8-759-402-33	■	AM607P (MATSUSHITA)
IC32	8-752-201-30	■	CK22013 (SONY)
IC33	8-752-030-30	■	CKA1020P (SONY)
IC34	8-759-402-33	■	AM607P (MATSUSHITA)
IC61	8-749-900-63	■	EX365AL (SONY)
IC63	1-464-601-11	■	CIRCUIT UNIT, VA
IC201	8-759-907-81	■	SN74LS221NS (TI)

IC202	8-759-907-81	■	SN74LS221NS (TI)
IC203	8-759-907-81	■	SN74LS221NS (TI)
IC204	8-759-205-06	■	TC74HC07AF (TOSHIBA)
IC205	8-759-201-47	■	TA7357AP (TOSHIBA)
IC401	8-759-708-09	■	NJM78L09A (JRC)

IC402	8-759-708-09	■	NJM78L09A (JRC)
IC403	8-759-700-20	■	NJM79M05A (JRC)
IC851	8-759-941-27	■	MB4002PF (FUJITSU)
IC852	8-759-941-27	■	MB4002PF (FUJITSU)
IC853	8-759-971-01	■	SN74HC08NS (TI)

L1	1-410-482-31	■	MICRO 100
L2	1-410-482-31	■	MICRO 100
L3	1-410-482-31	■	MICRO 100
L31	1-410-482-31	■	MICRO 100
L32	1-410-482-31	■	MICRO 100

L61	1-410-478-11	■	MICRO 47
L62	1-410-478-11	■	MICRO 47
L63	1-410-478-11	■	MICRO 47
L64	1-410-478-11	■	MICRO 47
L67	1-410-478-11	■	MICRO 47

L68	1-410-482-31	■	MICRO 100
L69	1-410-470-11	■	MICRO 10
L70	1-410-482-31	■	MICRO 100
L71	1-410-482-31	■	MICRO 100
L201	1-410-482-31	■	MICRO 100

L202	1-410-471-21	■	MICRO 12
L400	1-459-155-00	■	45 (WITH CORE)
L401	1-459-155-00	■	45 (WITH CORE)
L402	1-459-155-00	■	45 (WITH CORE)
L851	1-410-482-31	■	MICRO 100

L852	1-410-482-31	■	MICRO 100
L853	1-410-482-31	■	MICRO 100
L854	1-410-482-31	■	MICRO 100

Q1	8-729-271-22	■	28C2712-G
Q5	8-729-271-22	■	28C2712-G
Q6	8-729-122-63	■	2SA1226
Q7	8-729-201-26	■	28C2715
Q31	8-729-216-22	■	2SA1162

Q32	8-729-271-22	■	28C2712-G
Q33	8-729-271-22	■	28C2712-G
Q34	8-729-216-22	■	2SA1162
Q35	8-729-271-22	■	28C2712-G
Q36	8-729-271-22	■	28C2712-G

Q37	8-729-271-22	■	28C2712-G
Q38	8-729-271-22	■	28C2712-G
Q65	8-729-271-23	■	28C2712
Q66	8-729-271-23	■	28C2712
Q69	8-729-123-63	■	2SA1226

Q70	8-729-202-52	■	28C2714-Y
Q71	8-729-202-52	■	28C2714-Y
Q72	8-729-123-63	■	2SA1226
Q73	8-729-123-63	■	2SA1226
Q74	8-729-271-22	■	28C2712-G

Q851	8-729-200-85	■	28C2714-R
Q852	8-729-200-85	■	28C2714-R
Q853	8-729-200-85	■	28C2714-R

R1	1-216-619-11	■	METAL CHIP 47 0.50Z 1/10W
R2	1-216-641-11	■	METAL CHIP 390 0.50Z 1/10W
R9	1-216-643-11	■	METAL CHIP 470 0.50Z 1/10W
R16	1-216-675-11	■	METAL CHIP 10K 0.50Z 1/10W
R17	1-216-673-11	■	METAL CHIP 8.2K 0.50Z 1/10W

R18	1-216-666-11	■	METAL CHIP 4.3K 0.50Z 1/10W
R19	1-216-688-11	■	METAL CHIP 36K 0.50Z 1/10W
R20	1-216-669-11	■	METAL CHIP 5.6K 0.50Z 1/10W
R23	1-216-660-11	■	METAL CHIP 2.4K 0.50Z 1/10W
R24	1-216-660-11	■	METAL CHIP 2.4K 0.50Z 1/10W

R30	1-216-645-11	■	METAL CHIP 560 0.50Z 1/10W
R33	1-216-655-11	■	METAL CHIP 1.5K 0.50Z 1/10W
R34	1-216-662-11	■	METAL CHIP 3K 0.50Z 1/10W
R35	1-216-662-11	■	METAL CHIP 3K 0.50Z 1/10W
R37	1-216-663-11	■	METAL CHIP 3.3K 0.50Z 1/10W

R40	1-216-635-11	■	METAL CHIP 220 0.50Z 1/10W
R41	1-216-635-11	■	METAL CHIP 220 0.50Z 1/10W
R43	1-216-635-11	■	METAL CHIP 220 0.50Z 1/10W
R44	1-216-635-11	■	METAL CHIP 220 0.50Z 1/10W
R50	1-216-613-11	■	METAL CHIP 27 0.50Z 1/10W

R52	1-216-620-11	■	METAL CHIP 51 0.50Z 1/10W
R56	1-216-655-11	■	METAL CHIP 1.5K 0.50Z 1/10W
R57	1-216-651-11	■	METAL CHIP 1K 0.50Z 1/10W
R58	1-216-643-11	■	METAL CHIP 470 0.50Z 1/10W
R71	1-216-644-11	■	METAL CHIP 510 0.50Z 1/10W

R72	1-216-644-11	■	METAL CHIP 510 0.50Z 1/10W
R73	1-216-651-11	■	METAL CHIP 1K 0.50Z 1/10W
R74	1-216-650-11	■	METAL CHIP 910 0.50Z 1/10W
R75	1-216-644-11	■	METAL CHIP 510 0.50Z 1/10W
R76	1-216-651-11	■	METAL CHIP 1K 0.50Z 1/10W

R77	1-216-650-11	■	METAL CHIP 910 0.50Z 1/10W
R78	1-216-643-11	■	METAL CHIP 470 0.50Z 1/10W
R88	1-216-643-11	■	METAL CHIP 470 0.50Z 1/10W
R89	1-216-643-11	■	METAL CHIP 470 0.50Z 1/10W
R90	1-216-647-11	■	METAL CHIP 680 0.50Z 1/10W

R91	1-216-647-11	■	METAL CHIP 680 0.50Z 1/10W
R92	1-216-647-11	■	METAL CHIP 680 0.50Z 1/10W
R93	1-216-647-11	■	METAL CHIP 680 0.50Z 1/10W
R94	1-216-679-11	■	METAL CHIP 15K 0.50Z 1/10W
R95	1-216-647-11	■	METAL CHIP 680 0.50Z 1/10W

R99	1-216-620-11	■	METAL CHIP 51 0.50Z 1/10W
R101	1-216-675-11	■	METAL CHIP 10K 0.50Z 1/10W
R102	1-216-651-11	■	METAL CHIP 1K 0.50Z 1/10W
R855	1-216-637-11	■	METAL CHIP 270 0.50Z 1/10W
R856	1-216-658-11	■	METAL CHIP 2K 0.50Z 1/10W

R857	1-216-651-11	■	METAL CHIP 1K 0.50Z 1/10W
R858	1-216-682-11	■	METAL CHIP 20K 0.50Z 1/10W
R859	1-216-679-11	■	METAL CHIP 15K 0.50Z 1/10W
R862	1-216-663-11	■	METAL CHIP 3.3K 0.50Z 1/10W
R863	1-216-651-11	■	METAL CHIP 1K 0.50Z 1/10W

R865	1-216-651-11	■	METAL CHIP 1K 0.50Z 1/10W
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Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
RV2	1-237-516-21	s	VAR, CERMET 2k
RV31	1-237-516-21	s	VAR, CERMET 2k
RV32	1-237-517-21	s	VAR, CERMET 5k
RV62	1-237-515-21	s	VAR, CERMET 1k
RV64	1-237-515-21	s	VAR, CERMET 1k

RV85	1-237-514-21	s	VAR, CERMET 500
RV66	1-237-514-21	s	VAR, CERMET 500
RV201	1-237-517-21	s	VAR, CERMET 5k
RV202	1-237-519-21	s	VAR, CERMET 20k
RV851	1-237-515-21	s	VAR, CERMET 1k
RV852	1-237-515-21	s	VAR, CERMET 1k

DEC-42P BOARD

This board includes the CF-36P and DUS-273 boards.

A-6711-982-A o MOUNTED CIRCUIT BOARD, DEC-42P

C5	1-124-584-00	s	ELECT	100	20X	16V
C12	1-124-584-00	s	ELECT	100	20X	16V
C248	1-163-103-00	s	CERAMIC CHIP	27pF	5X	50V
C310	1-126-157-11	s	ELECT	10	20X	16V
C321	1-126-157-11	s	ELECT	10	20X	16V

C326	1-126-157-11	s	ELECT	10	20X	16V
C327	1-126-157-11	s	ELECT	10	20X	16V
C416	1-124-462-00	s	ELECT	10	20X	16V
C419	1-162-882-00	s	CERAMIC	180pF	5X	50V
C420	1-126-157-11	s	ELECT	10	20X	16V

C423	1-161-463-00	s	CERAMIC	220pF	1X	50V
C429	1-124-462-00	s	ELECT	10	20X	16V
C515	1-124-473-11	s	ELECT	1000	20X	10V
C600	1-124-462-00	s	ELECT	10	20X	16V
C603	1-162-888-11	s	CERAMIC	560pF	5X	50V

C622	1-135-145-11	s	TANTAL	0.47	10X	25V
C640	1-124-462-00	s	ELECT	10	20X	16V
C643	1-162-888-11	s	CERAMIC	560pF	5X	50V
C666	1-135-145-11	s	TANTAL	0.47	10X	25V
C673	1-135-093-21	s	TANTAL	10	10X	16V

C693	1-135-070-00	s	TANTAL	0.1	10X	35V
C705	1-126-157-11	s	ELECT	10	20X	16V
C719	1-124-462-00	s	ELECT	10	20X	16V
C721	1-126-157-11	s	ELECT	10	20X	16V
C723	1-124-462-00	s	ELECT	10	20X	16V

C725	1-124-462-00	s	ELECT	10	20X	16V
C729	1-126-157-11	s	ELECT	10	20X	16V
C731	1-124-584-00	s	ELECT	100	20X	10V
C744	1-124-584-00	s	ELECT	100	20X	10V
C804	1-164-005-11	s	CERAMIC CHIP	0.47	10X	25V

C807	1-163-037-11	s	CERAMIC CHIP	0.022	10X	25V
C808	1-164-004-11	s	CERAMIC CHIP	0.1	10X	25V
C809	1-124-462-00	s	ELECT	10	20X	16V
C812	1-164-004-11	s	CERAMIC CHIP	0.1	10X	25V

CN112	1-506-746-11	s	DIN 48P
CN113	1-506-748-11	s	DIN 96P
CN501	1-564-988-11	s	14P
CN502	1-565-060-11	s	16P

Ref.No.	Parts No.	SP	Description
CV401	1-141-260-11	s	TRIMMER 50pF
CV402	1-141-227-21	s	TRIMMER 20pF
CV403	1-141-227-21	s	TRIMMER 20pF

D101	8-719-110-22	s	RD11ES-B2
D201	8-759-914-44	s	TL431C1LP
D202	8-759-914-44	s	TL431C1LP
D203	8-719-105-58	s	RD3.9H-B2
D204	8-719-101-23	s	IS8123

D400	8-719-104-10	s	IS899
D505	8-719-100-05	s	IS2837
D506	8-719-100-05	s	IS2837
D509	8-719-100-05	s	IS2837
D510	8-719-104-10	s	IS899

D511	8-719-104-10	s	IS899
D700	8-719-100-05	s	IS2837
D802	8-719-915-30	s	PC53M
D803	8-719-915-43	s	PC54M
D804	8-719-100-05	s	IS2837

D805	8-719-105-46	s	RD3.3M-B2
D807	8-719-100-05	s	IS2837
D808	8-719-911-19	s	IS8119
D809	8-719-911-19	s	IS8119

F8500	1-535-178-00	s	FERRITE BEAD
F8701	1-535-178-00	s	FERRITE BEAD

FL1	1-235-758-11	s	LOW-PASS 1.5MHz
FL2	1-235-758-11	s	LOW-PASS 1.5MHz
FL201	1-236-230-11	s	LOW-PASS 2.0MHz
FL202	1-236-230-11	s	LOW-PASS 2.0MHz
FL203	1-236-162-11	s	LOW-PASS

1) FL401	1-235-759-11	s	LOW-PASS 5.0MHz
2) FL401	1-236-070-11	s	LOW-PASS 5.5MHz

IC1	8-759-700-95	s	NJM1496M (JRC)
IC2	8-759-201-00	s	TC4052BF (SONY)
IC3	8-759-700-95	s	NJM1496M (JRC)
IC4	8-759-908-92	s	TL084CNS (TI)
IC5	8-759-908-92	s	TL084CNS (TI)

IC6	8-759-101-12	s	uPC311G2 (NEC)
IC7	8-759-200-81	s	TC4053BF (SONY)
IC8	8-759-930-56	s	SN74LS163ANS (TI)
IC9	8-759-012-02	s	MC10H124M (MOTOROLA)
IC10	8-759-012-03	s	MC10H131M (MOTOROLA)

IC11	8-759-011-98	s	MC10H131M (MOTOROLA)
IC101	8-759-708-09	s	NJM78L09A (JRC)
IC200	8-759-908-18	s	TL607CPS (TI)
IC201	8-752-006-10	s	CX20061 (SONY)
IC202	8-752-006-10	s	CX20061 (SONY)

IC203	8-759-908-18	s	TL607CPS (TI)
IC204	8-752-006-10	s	CX20061 (SONY)
IC205	8-752-006-10	s	CX20061 (SONY)
IC206	8-749-901-45	s	SBX4002-01 (NEC)
IC207	8-749-901-45	s	SBX4002-01 (NEC)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

IC208 8-752-032-55 # CXA1096M (SONY)
 IC209 8-752-032-55 # CXA1096M (SONY)
 IC210 8-752-329-28 # CXD1151Q (SONY)
 IC211 8-759-933-52 # MB40778P (FUJITSU)
 IC212 8-759-908-17 # TL082CPS (TI)

IC213 8-759-204-08 # TC74HC08F (TOSHIBA)
 IC214 8-759-908-18 # TL607CPS (TI)
 IC400 8-752-006-10 # CX20061 (SONY)
 IC401 8-752-006-10 # CX20061 (SONY)
 IC402 8-759-200-81 # TC4053BF (TOSHIBA)

IC403 1-464-601-11 # CIRCUIT UNIT, VA
 IC404 8-759-908-92 # TL084CNS (TI)
 IC405 8-759-201-00 # TC4052BF (TOSHIBA)
 IC406 1-464-601-11 # CIRCUIT UNIT, VA
 IC407 8-759-700-65 # NJM79L05A (JRC)

IC408 8-759-700-65 # NJM79L05A (JRC)
 IC409 8-759-708-09 # NJM78L09A (JRC)
 IC410 8-759-708-09 # NJM78L09A (JRC)
 IC411 8-752-015-81 # CX20158 (SONY)
 IC500 8-759-201-47 # TA7357AP (TOSHIBA)

IC502 8-759-920-14 # S-8053ALR (SEIKO I AND E)
 IC509 8-757-993-01 # CX7993A (SONY)
 IC510 8-759-941-27 # MB4002PF (FUJITSU)
 IC511 8-759-602-80 # M5215L (MATSUSHITA)
 IC512 8-759-101-12 # 0PC31C2 (NEC)

IC513 8-759-201-47 # TA7357AP (TOSHIBA)
 IC514 8-759-907-81 # SN74LS221NS (TI)
 IC515 8-759-941-27 # MB4002PF (FUJITSU)
 IC522 8-759-907-81 # SN74LS221NS (TI)
 IC523 8-759-907-81 # SN74LS221NS (TI)

IC524 8-759-907-81 # SN74LS221NS (TI)
 IC525 8-759-902-88 # SN74LS123NS (TI)
 IC526 8-759-205-06 # TC74HC74F (TOSHIBA)
 IC533 8-759-907-81 # SN74LS221NS (TI)
 IC534 8-759-907-81 # SN74LS221NS (TI)

IC541 8-759-205-05 # TC74HC32F (TOSHIBA)
 IC542 8-759-200-78 # TC4030BF (TOSHIBA)
 IC543 8-759-204-94 # TC74HC00F (TOSHIBA)
 IC544 8-759-204-94 # TC74HC00F (TOSHIBA)
 IC545 8-759-204-94 # TC74HC00F (TOSHIBA)

IC546 8-759-204-08 # TC74HC08F (TOSHIBA)
 IC547 8-759-205-05 # TC74HC32F (TOSHIBA)
 IC548 8-759-204-08 # TC74HC08F (TOSHIBA)
 IC550 8-759-204-08 # TC74HC08F (TOSHIBA)
 IC700 8-759-708-09 # NJM78L09A (JRC)

IC801 8-749-901-21 # BX1461 (SONY)
 IC802 8-759-908-17 # TL082CPS (TI)
 IC803 8-759-012-13 # MC10H125M (MOTOROLA)
 IC804 8-759-230-23 # CXD1045AQ (SONY)
 IC805 8-759-941-17 # SN74L06NS (TI)

IC901 8-759-907-81 # SN74LS221NS (TI)
 IC902 8-759-205-06 # TC74HC74F (TOSHIBA)

L100 1-459-155-00 # 45 (WITH CORE)
 L101 1-459-155-00 # 45 (WITH CORE)
 L102 1-459-155-00 # 45 (WITH CORE)
 L103 1-459-155-00 # 45 (WITH CORE)
 L105 1-410-482-31 # MICRO 100

Ref.No. Parts No. SP Description

L106 1-410-482-31 # MICRO 100
 L109 1-410-482-31 # MICRO 100
 L110 1-459-155-00 # 45 (WITH CORE)
 L115 1-410-482-31 # MICRO 100
 L117 1-410-482-31 # MICRO 100

L118 1-410-482-31 # MICRO 100
 L201 1-410-466-41 # MICRO 4.7
 L202 1-410-466-41 # MICRO 4.7
 L300 1-410-482-31 # MICRO 100
 L301 1-410-482-31 # MICRO 100

L302 1-410-482-31 # MICRO 100
 L306 1-410-482-31 # MICRO 100
 L307 1-410-482-31 # MICRO 100
 L308 1-410-482-31 # MICRO 100
 L309 1-410-482-31 # MICRO 100

L310 1-410-482-31 # MICRO 100
 L313 1-410-482-31 # MICRO 100
 L501 1-410-482-31 # MICRO 100
 L502 1-410-482-31 # MICRO 100
 L505 1-410-482-31 # MICRO 100

L506 1-410-482-31 # MICRO 100
 L507 1-410-482-31 # MICRO 100
 L508 1-410-482-31 # MICRO 100
 L511 1-410-482-31 # MICRO 100
 L700 1-459-155-00 # 45 (WITH CORE)

L701 1-410-482-31 # MICRO 100
 L703 1-410-482-31 # MICRO 100
 L705 1-410-482-31 # MICRO 100
 L706 1-410-482-31 # MICRO 100
 L707 1-410-482-31 # MICRO 100

L801 1-410-459-11 # MICRO 1.2

LV400 1-467-574-00 # VAR 68
 LV401 1-467-575-00 # VAR 100
 LV801 1-410-286-00 # VAR 1.0

Q1 8-729-271-23 # 2SC2712
 Q2 8-729-271-23 # 2SC2712
 Q3 8-729-271-23 # 2SC2712
 Q4 8-729-271-23 # 2SC2712
 Q6 8-729-216-21 # 2SA1162-Y

Q7 8-729-216-21 # 2SA1162-Y
 Q8 8-729-109-42 # 2SK94-X2
 Q9 8-729-203-23 # 2SK389-V
 Q10 8-729-271-23 # 2SC2712
 Q11 8-729-271-23 # 2SC2712

Q12 8-729-271-23 # 2SC2712
 Q14 8-729-216-21 # 2SA1162-Y
 Q15 8-729-216-21 # 2SA1162-Y
 Q16 8-729-109-42 # 2SK94-X2
 Q17 8-729-203-23 # 2SK389-V

Q18 8-729-122-63 # 2SA1226
 Q200 8-729-271-23 # 2SC2712
 Q201 8-729-271-23 # 2SC2712
 Q202 8-729-271-23 # 2SC2712
 Q203 8-729-271-23 # 2SC2712

Q204 8-729-216-21 # 2SA1162-Y
 Q208 8-729-271-23 # 2SC2712
 Q209 8-729-271-23 # 2SC2712
 Q210 8-729-271-23 # 2SC2712
 Q211 8-729-271-23 # 2SC2712

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q212 8-729-216-21 s 2SA1162-Y
 Q219 8-729-177-34 s 2SB773-5
 Q220 8-729-177-34 s 2SB773-5
 Q221 8-729-106-60 s 2SB1115A
 Q222 8-729-271-23 s 2SC2712

Q223 8-729-109-42 s 2SK94-X2
 Q224 8-729-271-23 s 2SC2712
 Q225 8-729-271-23 s 2SC2712
 Q226 8-729-271-23 s 2SC2712
 Q227 8-729-216-21 s 2SA1162-Y

Q228 8-729-216-21 s 2SA1162-Y
 Q229 8-729-271-23 s 2SC2712
 Q230 8-729-271-23 s 2SC2712
 Q400 8-729-271-23 s 2SC2712
 Q401 8-729-271-23 s 2SC2712

Q402 8-729-216-21 s 2SA1162-Y
 Q403 8-729-271-23 s 2SC2712
 Q404 8-729-271-23 s 2SC2712
 Q405 8-729-271-23 s 2SC2712
 Q406 8-729-122-63 s 2SA1226

Q407 8-729-109-42 s 2SK94-X2
 Q408 8-729-203-23 s 2SK389-V
 Q409 8-729-203-23 s 2SK389-V
 Q410 8-729-271-23 s 2SC2712
 Q411 8-729-271-23 s 2SC2712

Q412 8-729-271-23 s 2SC2712
 Q413 8-729-271-23 s 2SC2712
 Q414 8-729-271-23 s 2SC2712
 Q415 8-729-271-23 s 2SC2712
 Q416 8-729-190-12 s 2SC2901

Q417 8-729-271-23 s 2SC2712
 Q418 8-729-190-12 s 2SC2901
 Q419 8-729-271-23 s 2SC2712
 Q420 8-729-271-23 s 2SC2712
 Q421 8-729-271-23 s 2SC2712

Q422 8-729-271-23 s 2SC2712
 Q423 8-729-271-23 s 2SC2712
 Q424 8-729-271-23 s 2SC2712
 Q425 8-729-271-23 s 2SC2712
 Q426 8-729-271-23 s 2SC2712

Q427 8-729-271-23 s 2SC2712
 Q428 8-729-271-23 s 2SC2712
 Q429 8-729-202-38 s 2SC326N
 Q430 8-729-271-23 s 2SC2712
 Q431 8-729-202-38 s 2SC326N

Q500 8-729-102-07 s 2SC2223-F13
 Q501 8-729-271-23 s 2SC2712
 Q502 8-729-102-07 s 2SC2223-F13
 Q503 8-729-901-01 s DTC144EK
 Q801 8-729-175-72 s 2SC2757-T33

Q802 8-729-901-01 s DTC144EK

R16 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R18 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R47 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R49 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R73 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W

Ref.No. Parts No. SP Description

R74 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W
 R97 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R99 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R209 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R210 1-216-643-11 s METAL CHIP 470 0.50% 1/10W

R230 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R231 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R234 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R244 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W
 R245 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W

R250 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R251 1-216-677-11 s METAL CHIP 12k 0.50% 1/10W
 R253 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
 R258 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R259 1-216-677-11 s METAL CHIP 12k 0.50% 1/10W

R261 1-216-653-11 s METAL CHIP 1.2k 0.50% 1/10W
 R266 1-244-821-00 s CARBON 6.8 5% 1/2W
 R269 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R270 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R271 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W

R272 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R274 1-216-660-11 s METAL CHIP 2.4k 0.50% 1/10W
 R275 1-216-670-11 s METAL CHIP 6.2k 0.50% 1/10W
 R276 1-244-841-00 s CARBON 47 5% 1/2W
 R277 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W

R278 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R279 1-216-662-11 s METAL CHIP 3k 0.50% 1/10W
 R280 1-216-677-11 s METAL CHIP 12k 0.50% 1/10W
 R282 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R283 1-216-639-11 s METAL CHIP 330 0.50% 1/10W

R285 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W
 R286 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R288 1-216-655-11 s METAL CHIP 1.5k 0.50% 1/10W
 R294 1-216-639-11 s METAL CHIP 330 0.50% 1/10W
 R295 1-216-639-11 s METAL CHIP 330 0.50% 1/10W

R406 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R407 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R441 1-216-639-11 s METAL CHIP 300 0.50% 1/10W
 R444 1-216-658-11 s METAL CHIP 2k 0.50% 1/10W
 R445 1-216-658-11 s METAL CHIP 2k 0.50% 1/10W

R446 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R449 1-216-658-11 s METAL CHIP 2k 0.50% 1/10W
 R450 1-216-658-11 s METAL CHIP 2k 0.50% 1/10W
 R451 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R477 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R484 1-216-689-11 s METAL CHIP 39k 0.50% 1/10W
 R485 1-216-689-11 s METAL CHIP 39k 0.50% 1/10W
 R506 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R507 1-216-661-11 s METAL CHIP 2.7k 0.50% 1/10W
 R560 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W

R561 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R562 1-216-665-11 s METAL CHIP 3.9k 0.50% 1/10W
 R570 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W
 R572 1-216-681-11 s METAL CHIP 18k 0.50% 1/10W
 R623 1-216-677-11 s METAL CHIP 12k 0.50% 1/10W

R616 1-216-681-11 s METAL CHIP 18k 0.50% 1/10W
 R632 1-216-684-11 s METAL CHIP 24k 0.50% 1/10W
 R636 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R801 1-216-682-11 s METAL CHIP 20k 0.50% 1/10W
 R803 1-216-677-11 s METAL CHIP 12k 0.50% 1/10W

R804 1-216-667-11 s METAL CHIP 4.7k 0.50% 1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

RV1 1-237-519-11 s VAR, CERMET 20k
 RV2 1-237-515-11 s VAR, CERMET 1k
 RV3 1-237-519-11 s VAR, CERMET 20k
 RV4 1-237-519-11 s VAR, CERMET 20k
 RV5 1-237-515-11 s VAR, CERMET 1k

RV6 1-237-519-11 s VAR, CERMET 20k
 RV7 1-237-517-11 s VAR, CERMET 5k
 RV8 1-237-517-11 s VAR, CERMET 1k
 RV200 1-237-515-11 s VAR, CERMET 1k
 RV201 1-237-515-11 s VAR, CERMET 1k

RV202 1-237-515-11 s VAR, CERMET 1k
 RV203 1-237-514-11 s VAR, CERMET 500
 RV204 1-237-514-11 s VAR, CERMET 500
 RV205 1-237-515-11 s VAR, CERMET 1k
 RV206 1-237-516-11 s VAR, CERMET 2k

RV400 1-237-517-11 s VAR, CERMET 5k
 RV401 1-237-514-11 s VAR, CERMET 500
 RV402 1-237-516-11 s VAR, CERMET 2k
 RV403 1-237-518-11 s VAR, CERMET 10k
 RV404 1-237-517-11 s VAR, CERMET 5k

RV405 1-237-517-11 s VAR, CERMET 5k
 RV406 1-237-512-11 s VAR, CERMET 100
 RV407 1-237-515-11 s VAR, CERMET 1k
 RV408 1-237-519-11 s VAR, CERMET 20k
 RV410 1-237-524-11 s VAR, CERMET 1M

RV411 1-237-519-11 s VAR, CERMET 20k
 RV412 1-237-515-11 s VAR, CERMET 1k
 RV502 1-237-519-11 s VAR, CERMET 20k
 RV503 1-237-519-11 s VAR, CERMET 20k
 RV504 1-237-517-11 s VAR, CERMET 5k

RV505 1-237-519-11 s VAR, CERMET 20k
 RV511 1-237-517-11 s VAR, CERMET 5k
 RV512 1-237-517-11 s VAR, CERMET 5k

S500 1-570-857-11 s SLIDE

TH1 1-800-202-XX s S-10k
 TH2 1-800-202-XX s S-10k

X1 1-567-891-11 s OSCILLATOR 17.734475MHz
 X501 1-567-863-11 s VIBRATOR 10.664135MHz

10) DEC-46P BOARD

A-6727-016-A s MOUNTED CIRCUIT BOARD, DEC-46P

C1 1-124-589-11 s ELECT 47 20% 16V
 C3 1-123-661-00 s ELECT 100 20% 6.3V
 C6 1-123-661-00 s ELECT 100 20% 6.3V
 C7 1-126-157-11 s ELECT 10 20% 16V
 C29 1-163-104-00 s CERAMIC CHIP 30pF 5% 50V

Ref.No. Parts No. SP Description

C34 1-126-157-11 s ELECT 10 20% 16V
 C36 1-126-157-11 s ELECT 10 20% 16V
 C40 1-162-888-11 s CERAMIC 560pF 5% 50V
 C41 1-162-888-11 s CERAMIC 560pF 5% 50V
 C45 1-162-724-11 s CERAMIC 390pF 1% 50V

C48 1-126-103-11 s ELECT 470 20% 16V
 C49 1-126-103-11 s ELECT 470 20% 16V
 C50 1-126-103-11 s ELECT 470 20% 16V
 C54 1-126-157-11 s ELECT 10 20% 16V
 C56 1-126-157-11 s ELECT 10 20% 16V

C58 1-126-157-11 s ELECT 10 20% 16V
 C64 1-126-157-11 s ELECT 10 20% 16V
 C105 1-126-103-11 s ELECT 470 20% 16V
 C107 1-126-157-11 s ELECT 10 20% 16V
 C108 1-102-074-00 s CERAMIC 1000pF

C109 1-126-157-11 s ELECT 10 20% 16V
 C110 1-126-157-11 s ELECT 10 20% 16V
 C111 1-126-157-11 s ELECT 10 20% 16V
 C117 1-124-638-11 s ELECT 22 20% 10V
 C118 1-124-638-11 s ELECT 22 20% 10V

C121 1-126-157-11 s ELECT 10 20% 16V
 C123 1-123-661-00 s ELECT 100 20% 6.3V
 C126 1-126-157-11 s ELECT 10 20% 16V
 C134 1-124-257-00 s ELECT 2.2 20% 50V
 C136 1-126-157-11 s ELECT 10 20% 16V

C138 1-126-157-11 s ELECT 10 20% 16V
 C143 1-123-661-00 s ELECT 100 20% 6.3V
 C145 1-123-661-00 s ELECT 100 20% 6.3V
 C154 1-126-157-11 s ELECT 10 20% 16V
 C157 1-126-103-11 s ELECT 470 20% 16V

C159 1-126-103-11 s ELECT 470 20% 16V
 C165 1-123-661-00 s ELECT 100 20% 6.3V
 C167 1-126-157-11 s ELECT 10 20% 16V
 C168 1-126-157-11 s ELECT 10 20% 16V
 C175 1-126-176-11 s ELECT 220 20% 6.3V

C201 1-123-661-00 s ELECT 100 20% 6.3V
 C203 1-124-589-11 s ELECT 47 20% 16V
 C205 1-123-661-00 s ELECT 100 20% 6.3V
 C207 1-163-129-00 s CERAMIC CHIP 33pF 5% 50V
 C208 1-163-100-00 s CERAMIC CHIP 22pF 5% 50V

C209 1-126-157-11 s ELECT 10 20% 16V
 C211 1-124-589-11 s ELECT 47 20% 16V
 C219 1-162-726-11 s CERAMIC 470pF 1% 50V

CN105 1-506-748-11 s DIN 96P

CV1 1-141-245-00 s TRIMMER, CERAMIC 30pF
 CV101 1-141-245-00 s TRIMMER, CERAMIC 30pF

D1 8-719-110-08 s RD8.2ES-B2
 D2 8-719-100-05 s IS2837
 D3 8-719-100-05 s IS2837
 D4 8-719-100-05 s IS2837
 D11 8-719-907-19 s FCS2M

D12 8-719-907-19 s FCS2M
 D13 8-719-101-97 s ISS97-1
 D14 8-719-101-97 s ISS97-1
 D15 8-719-100-05 s IS2837
 D16 8-719-101-97 s ISS97-1

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

D17 8-719-101-97 ■ 1S597-1
 D18 8-719-100-05 ■ 1S2837

DL1 1-415-348-11 ■ 140nS
 DL2 1-415-348-11 ■ 140nS
 DL3 1-415-348-11 ■ 140nS
 DL4 1-415-309-00 ■ 350nS
 DL5 1-415-309-00 ■ 350nS

IC1 8-752-030-81 ■ CXA1040M (SONY)
 IC2 8-752-030-80 ■ CXA1039M (SONY)
 IC3 8-759-208-11 ■ TC4053RPHB (TOSHIBA)
 IC4 8-759-907-81 ■ SN74LS221MS (TI)
 IC5 8-759-907-81 ■ SN74LS221MS (TI)

IC6 8-759-907-81 ■ SN74LS221MS (TI)
 IC7 8-759-205-06 ■ TC74HC74F (TOSHIBA)
 IC8 8-759-201-47 ■ TA7357AP (TOSHIBA)
 IC9 8-759-700-14 ■ NJM79M05A (JRC)
 IC10 8-759-708-05 ■ NJM78L05A (JRC)

IC11 8-759-700-20 ■ NJM79M05A (JRC)
 IC13 8-759-400-06 ■ AN608P (MATSUSHITA)
 IC14 8-759-400-06 ■ AN608P (MATSUSHITA)
 IC15 8-759-402-33 ■ AN607P (MATSUSHITA)
 IC16 8-752-201-30 ■ CX22013 (SONY)

IC17 8-752-030-30 ■ CXA1020P (SONY)
 IC18 8-759-402-33 ■ AN607P (MATSUSHITA)
 IC19 8-759-602-80 ■ M5215L (MITSUBISHI)
 IC20 8-759-969-13 ■ SN16913P (TI)
 IC21 8-759-208-15 ■ TC4066BPHB (TOSHIBA)

IC22 8-759-602-80 ■ M5215L (MITSUBISHI)
 IC23 8-759-908-17 ■ TLO82CPS (TI)
 IC24 1-464-601-11 ■ CIRCUIT UNIT, VA
 IC201 8-759-941-27 ■ MB4002PF (FUJITSU)
 IC202 8-759-941-27 ■ MB4002PF (FUJITSU)

IC203 8-759-204-98 ■ SN74HC08MS (TI)
 IC207 8-759-204-08 ■ TC74HC08P (TOSHIBA)

L1 1-410-482-31 ■ MICRO 100
 L2 1-410-482-31 ■ MICRO 100
 L3 1-410-482-31 ■ MICRO 100
 L4 1-410-482-31 ■ MICRO 100
 L5 1-410-482-31 ■ MICRO 100

L6 1-410-482-31 ■ MICRO 100
 L9 1-410-482-31 ■ MICRO 100
 L10 1-410-473-11 ■ MICRO 18
 L11 1-459-155-00 ■ 45 (WITH CORE)
 L12 1-459-155-00 ■ 45 (WITH CORE)

L13 1-459-155-00 ■ 45 (WITH CORE)
 L14 1-410-491-11 ■ MICRO 560
 L21 1-410-482-31 ■ MICRO 100
 L22 1-410-473-11 ■ MICRO 18
 L23 1-410-482-31 ■ MICRO 100

L24 1-410-482-31 ■ MICRO 100
 L25 1-410-482-31 ■ MICRO 100
 L26 1-410-482-31 ■ MICRO 100
 L27 1-410-482-31 ■ MICRO 100
 L28 1-410-482-31 ■ MICRO 100

Ref.No. Parts No. SP Description

L29 1-410-482-31 ■ MICRO 100
 L31 1-410-468-11 ■ MICRO 6.8
 L33 1-410-478-11 ■ MICRO 67
 L34 1-410-482-31 ■ MICRO 100
 L35 1-410-482-31 ■ MICRO 100

L36 1-410-482-31 ■ MICRO 100
 L201 1-410-482-31 ■ MICRO 100
 L202 1-410-482-31 ■ MICRO 100
 L203 1-410-482-31 ■ MICRO 100
 L204 1-410-482-31 ■ MICRO 100

L205 1-410-482-31 ■ MICRO 100

LV1 1-407-575-00 ■ VAR 100

Q1 8-729-271-23 ■ 2SC2712
 Q2 8-729-271-23 ■ 2SC2712
 Q3 8-729-271-23 ■ 2SC2712
 Q4 8-729-271-23 ■ 2SC2712
 Q5 8-729-271-23 ■ 2SC2712

Q6 8-729-271-23 ■ 2SC2712
 Q7 8-729-271-23 ■ 2SC2712
 Q8 8-729-271-23 ■ 2SC2712
 Q9 8-729-271-23 ■ 2SC2712
 Q10 8-729-271-23 ■ 2SC2712

Q11 8-729-271-23 ■ 2SC2712
 Q12 8-729-271-23 ■ 2SC2712
 Q13 8-729-271-23 ■ 2SC2712
 Q14 8-729-271-23 ■ 2SC2712
 Q15 8-729-271-23 ■ 2SC2712

Q16 8-729-271-23 ■ 2SC2712
 Q17 8-729-271-23 ■ 2SC2712
 Q18 8-729-271-23 ■ 2SC2712
 Q19 8-729-271-23 ■ 2SC2712
 Q21 8-729-271-23 ■ 2SC2712

Q22 8-729-190-12 ■ 2SC2901
 Q23 8-729-271-23 ■ 2SC2712
 Q24 8-729-271-23 ■ 2SC2712
 Q25 8-729-271-23 ■ 2SC2712
 Q26 8-729-271-23 ■ 2SC2712

Q27 8-729-271-23 ■ 2SC2712
 Q28 8-729-271-23 ■ 2SC2712
 Q29 8-729-271-23 ■ 2SC2712
 Q30 8-729-271-23 ■ 2SC2712
 Q31 8-729-271-23 ■ 2SC2712

Q32 8-729-271-23 ■ 2SC2712
 Q33 8-729-271-23 ■ 2SC2712
 Q34 8-729-271-23 ■ 2SC2712
 Q35 8-729-271-23 ■ 2SC2712
 Q36 8-729-271-23 ■ 2SC2712

Q37 8-729-271-23 ■ 2SC2712
 Q38 8-729-271-23 ■ 2SC2712
 Q39 8-729-122-63 ■ 2SA1226
 Q40 8-729-271-23 ■ 2SC2712
 Q41 8-729-122-63 ■ 2SA1226

Q46 8-729-102-07 ■ 2SC2223
 Q47 8-729-901-01 ■ DTIC44EK
 Q201 8-729-201-26 ■ 2SC2715
 Q202 8-729-201-26 ■ 2SC2715
 Q203 8-729-201-26 ■ 2SC2715

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

R1 1-216-619-11 s METAL CHIP 47 0.50X 1/10W
 R2 1-216-641-11 s METAL CHIP 390 0.50X 1/10W
 R4 1-216-677-11 s METAL CHIP 12k 0.50X 1/10W
 R5 1-216-680-11 s METAL CHIP 16k 0.50X 1/10W
 R9 1-216-660-11 s METAL CHIP 2.4k 0.50X 1/10W

R10 1-216-660-11 s METAL CHIP 2.4k 0.50X 1/10W
 R14 1-216-640-11 s METAL CHIP 360 0.50X 1/10W
 R18 1-216-675-11 s METAL CHIP 10k 0.50X 1/10W
 R19 1-216-673-11 s METAL CHIP 8.2k 0.50X 1/10W
 R20 1-216-666-11 s METAL CHIP 4.3k 0.50X 1/10W

R21 1-216-688-11 s METAL CHIP 36k 0.50X 1/10W
 R22 1-216-669-11 s METAL CHIP 5.6k 0.50X 1/10W
 R25 1-216-655-11 s METAL CHIP 1.5k 0.50X 1/10W
 R26 1-216-655-11 s METAL CHIP 1.5k 0.50X 1/10W
 R31 1-216-635-11 s METAL CHIP 220 0.50X 1/10W

R32 1-216-635-11 s METAL CHIP 220 0.50X 1/10W
 R38 1-216-643-11 s METAL CHIP 470 0.50X 1/10W
 R41 1-216-643-11 s METAL CHIP 470 0.50X 1/10W
 R47 1-216-645-11 s METAL CHIP 560 0.50X 1/10W
 R51 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W

R66 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W
 R104 1-216-635-11 s METAL CHIP 220 0.50X 1/10W
 R105 1-216-635-11 s METAL CHIP 220 0.50X 1/10W
 R108 1-216-635-11 s METAL CHIP 220 0.50X 1/10W
 R109 1-216-635-11 s METAL CHIP 220 0.50X 1/10W

R111 1-216-687-11 s METAL CHIP 33k 0.50X 1/10W
 R112 1-216-687-11 s METAL CHIP 33k 0.50X 1/10W
 R113 1-216-643-11 s METAL CHIP 470 0.50X 1/10W
 R114 1-216-650-11 s METAL CHIP 910 0.50X 1/10W
 R134 1-216-643-11 s METAL CHIP 470 0.50X 1/10W

R138 1-216-683-11 s METAL CHIP 22k 0.50X 1/10W
 R139 1-216-679-11 s METAL CHIP 15k 0.50X 1/10W
 R149 1-216-634-11 s METAL CHIP 200 0.50X 1/10W
 R150 1-216-634-11 s METAL CHIP 200 0.50X 1/10W
 R154 1-216-639-11 s METAL CHIP 330 0.50X 1/10W

R155 1-216-661-11 s METAL CHIP 2.7k 0.50X 1/10W
 R156 1-216-632-11 s METAL CHIP 160 0.50X 1/10W
 R157 1-216-682-11 s METAL CHIP 20k 0.50X 1/10W
 R159 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W
 R162 1-216-643-11 s METAL CHIP 470 0.50X 1/10W

R163 1-216-649-11 s METAL CHIP 820 0.50X 1/10W
 R165 1-216-634-11 s METAL CHIP 200 0.50X 1/10W
 R166 1-216-634-11 s METAL CHIP 200 0.50X 1/10W
 R169 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W
 R170 1-216-660-11 s METAL CHIP 2.4k 0.50X 1/10W

R171 1-216-698-11 s METAL CHIP 91k 0.50X 1/10W
 R175 1-216-644-11 s METAL CHIP 510 0.50X 1/10W
 R177 1-216-649-11 s METAL CHIP 820 0.50X 1/10W
 R180 1-216-679-11 s METAL CHIP 10k 0.50X 1/10W
 R182 1-216-672-11 s METAL CHIP 7.5k 0.50X 1/10W

R183 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W
 R205 1-216-637-11 s METAL CHIP 270 0.50X 1/10W
 R206 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W
 R207 1-216-658-11 s METAL CHIP 2k 0.50X 1/10W
 R208 1-216-682-11 s METAL CHIP 20k 0.50X 1/10W

R209 1-216-679-11 s METAL CHIP 15k 0.50X 1/10W
 R212 1-216-663-11 s METAL CHIP 3.3k 0.50X 1/10W
 R213 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W
 R214 1-216-663-11 s METAL CHIP 3.3k 0.50X 1/10W
 R215 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W

Ref.No. Parts No. SP Description

1) R216 1-216-631-11 s METAL CHIP 150 0.50X 1/10W
 2) R216 1-216-644-11 s METAL CHIP 510 0.50X 1/10W
 R217 1-216-644-11 s METAL CHIP 510 0.50X 1/10W
 R221 1-216-633-11 s METAL CHIP 180 0.50X 1/10W
 R270 1-216-660-11 s METAL CHIP 2.4k 0.50X 1/10W

R271 1-216-698-11 s METAL CHIP 91k 0.50X 1/10W

RV1 1-230-838-11 s VAR, METAL FILM 200
 RV2 1-237-515-21 s VAR, CERMET 1k
 RV4 1-237-515-21 s VAR, CERMET 1k
 RV5 1-237-515-21 s VAR, CERMET 1k
 RV6 1-237-516-21 s VAR, CERMET 2k

RV7 1-237-517-21 s VAR, CERMET 5k
 RV8 1-237-520-21 s VAR, CERMET 50k
 RV11 1-237-515-21 s VAR, CERMET 1k
 RV12 1-237-517-21 s VAR, CERMET 5k
 RV13 1-237-515-21 s VAR, CERMET 1k

RV14 1-237-515-21 s VAR, CERMET 1k
 RV15 1-237-501-21 s VAR, CERMET 2k
 RV16 1-237-515-21 s VAR, CERMET 1k
 RV201 1-237-514-21 s VAR, CERMET 500
 RV202 1-237-514-21 s VAR, CERMET 500

S1 1-570-857-11 s SLIDE

TH1 1-800-202-XX s S-10K

DM-56P BOARD

- 1) This board includes the DUS-259 and DUS-269 boards.
 2) This board includes the DUS-259, DUS-269, DUS-288, EQ-26, and EQ-28 boards.

A-6711-904-B o MOUNTED CIRCUIT BOARD, DM-56P

C33 1-107-163-00 s MICA 47pF 5X 500V
 C312 1-107-339-11 s MICA 630.8pF 0.25X 10V
 C342 1-163-111-00 s CERAMIC CHIP 56pF 5X 50V
 2) C350 1-107-160-00 s MICA 36pF 5X 500V
 C431 1-135-096-21 s TANTAL CHIP 4.7 10X 10V

C432 1-135-093-21 s TANTAL CHIP 10 10X 10V
 C436 1-135-093-21 s TANTAL CHIP 10 10X 10V
 C501 1-163-103-00 s CERAMIC CHIP 27pF 5X 50V
 C512 1-163-103-00 s CERAMIC CHIP 27pF 5X 50V
 C528 1-162-716-11 s CERAMIC 180pF 1X 50V

C529 1-162-728-11 s CERAMIC 560pF 1X 50V
 C714 1-107-340-11 s MICA 651.2pF 0.25X 100V
 C917 1-124-471-00 s ELECT 1000 20X 6.3V
 C918 1-126-103-11 s ELECT 470 20X 16V
 C920 1-124-471-00 s ELECT 1000 20X 6.3V

C921 1-124-471-00 s ELECT 1000 20X 6.3V
 C927 1-124-224-00 s ELECT 47 20X 6.3V
 C928 1-124-471-00 s ELECT 1000 20X 6.3V
 C929 1-126-103-11 s ELECT 470 20X 16V
 C933 1-124-224-00 s ELECT 47 20X 6.3V

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

CW1 1-554-788-11 o PIN 5P
 CN110 1-506-746-11 s DIN 48P
 CN111 1-506-748-11 s DIN 96P

D101 8-719-109-94 s RD6.2ES-B3
 D102 8-719-911-19 s 1S8123
 D201 8-719-101-23 s 1S8123
 D202 8-719-101-23 s 1S8123
 D301 8-719-109-85 s RD5.1ES-B2

D302 8-719-101-23 s 1S8123
 D303 8-719-101-23 s 1S8123
 D304 8-719-109-94 s RD6.2ES-B3
 D305 8-719-109-94 s RD6.2ES-B3
 D401 8-719-101-23 s 1S8123

D601 8-719-101-23 s 1S8123
 D701 8-719-109-85 s RD5.1ES-B2
 D702 8-719-101-23 s 1S8123
 D703 8-719-109-94 s RD6.2ES-B3
 D704 8-719-109-94 s RD6.2ES-B3

D801 8-719-101-23 s 1S8123
 D802 8-719-101-23 s 1S8123
 D901 8-719-101-23 s 1S8123
 D902 8-719-101-23 s 1S8123

DL1 1-415-154-00 s 35ns
 DL501 1-415-162-21 s 50ns

FB301 1-535-178-00 s FERRITE BEAD
 FB309 1-535-178-00 s FERRITE BEAD
 FB701 1-535-178-00 s FERRITE BEAD
 FB901 1-535-178-00 s FERRITE BEAD
 FB902 1-535-178-00 s FERRITE BEAD
 FB903 1-535-178-00 s FERRITE BEAD
 FB904 1-535-178-00 s FERRITE BEAD

FL301 1-236-092-12 s LOW-PASS 5.5MHz
 FL302 1-236-024-11 s LOW-PASS 4.0MHz
 FL303 1-235-321-11 s LOW-PASS 1.5MHz
 FL304 1-235-546-11 s BAND ELIMINATE 4.43MHz
 FL701 1-236-185-12 s LOW-PASS 4MHz/5MHz

IC1 8-752-015-81 s CX20158 (SONY)
 IC2 8-752-015-81 s CX20158 (SONY)
 IC3 8-759-112-53 s uPC1663G (NEC)
 IC4 8-759-112-53 s uPC1663G (NEC)
 IC5 8-752-015-81 s CX20158 (SONY)

IC6 8-729-801-45 s 28C3064-E
 IC101 8-769-401-89 s TX429M
 IC102 8-759-969-13 s SN16913P (TI)
 IC103 8-759-700-43 s NJM4558M (JRC)
 IC104 1-464-602-31 s CIRCUIT UNIT, HF

IC105 8-752-006-10 s CX20061 (SONY)
 IC201 8-759-700-95 s NJM1496M (JRC)
 IC202 8-759-908-17 s TL082CPS (TI)
 IC203 8-759-951-09 s SN75107AMS (TI)
 IC204 8-759-908-17 s TL082CPS (TI)

Ref.No. Parts No. SP Description

IC205 8-759-208-11 s TC4053BFB (TOSHIBA)
 5) IC207 8-741-109-80 s BX1098 (SONY)
 IC207 8-749-920-42 s BX1098L (SONY)
 IC301 8-759-012-00 s MC10H116M (MOTOROLA)
 IC302 8-759-001-98 s MC10198L (MOTOROLA)

IC303 8-752-015-81 s CX20158 (SONY)
 IC304 8-752-015-81 s CX20158 (SONY)
 IC305 8-759-112-53 s uPC1663G (NEC)
 IC306 8-752-006-10 s CX20061 (SONY)
 IC403 8-752-015-81 s CX20158 (SONY)

IC401 8-752-030-80 s CXA1039M (SONY)
 IC402 8-741-154-01 s SBX1540-31 (SONY)
 IC501 8-752-015-81 s CX20158 (SONY)
 IC502 8-759-112-53 s uPC1663G (NEC)
 IC503 8-752-015-81 s CX20158 (SONY)

IC504 8-759-112-53 s uPC1663G (NEC)
 IC505 8-752-015-81 s CX20158 (SONY)
 IC506 8-729-801-45 s 28C3064-E
 IC507 8-759-969-13 s SN16913P (TI)
 IC508 8-759-700-43 s NJM4558M (JRC)

IC509 8-769-401-89 s TX429M
 IC601 8-759-700-95 s NJM1496M (JRC)
 IC602 8-759-908-17 s TL082CPS (TI)
 IC603 8-759-951-09 s SN75107AMS (TI)
 IC604 1-464-602-31 s CIRCUIT UNIT, HF

IC605 8-752-006-10 s CX20061 (SONY)
 IC701 8-759-012-00 s MC10H116M (MOTOROLA)
 IC702 8-759-001-98 s MC10198L (MOTOROLA)
 IC703 8-759-112-53 s uPC1663G (NEC)
 IC704 8-752-015-81 s CX20158 (SONY)

IC801 8-741-154-00 s SBX1540-21 (SONY)
 IC802 8-752-015-81 s CX20158 (SONY)
 IC901 8-759-205-39 s TC74HC049F (TOSHIBA)
 IC902 8-759-205-39 s TC74HC049F (TOSHIBA)
 IC903 8-759-204-08 s TC74HC08F (TOSHIBA)

IC904 8-759-204-08 s TC74HC08F (TOSHIBA)
 IC905 8-759-205-40 s TC74HC050F (TOSHIBA)
 IC906 8-759-204-08 s TC74HC08F (TOSHIBA)
 IC907 8-759-941-17 s SN74LS06N (TI)
 IC908 8-759-701-00 s NJM7809K (JRC)

IC909 8-759-604-29 s MSF7805 (MITSUBISHI)

L1 1-410-482-31 s MICRO 100
 L2 1-410-482-31 s MICRO 100
 L3 1-410-470-11 s MICRO 10
 L4 1-410-482-31 s MICRO 100
 L5 1-410-482-31 s MICRO 100

L6 1-410-470-11 s MICRO 10
 L7 1-410-482-31 s MICRO 100
 L8 1-410-482-31 s MICRO 100
 L10 1-410-482-31 s MICRO 100
 L11 1-410-466-21 s MICRO 4.7

L101 1-410-482-31 s MICRO 100
 L102 1-410-482-31 s MICRO 100
 L103 1-410-482-31 s MICRO 100
 L105 1-410-470-11 s MICRO 10
 L106 1-410-470-11 s MICRO 10

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

L107 1-410-464-11 ■ MICRO 3.3
 L109 1-410-473-11 ■ MICRO 18
 L111 1-410-482-31 ■ MICRO 100
 L201 1-410-482-31 ■ MICRO 100
 L203 1-410-482-31 ■ MICRO 100

L204 1-410-482-31 ■ MICRO 100
 L205 1-410-482-31 ■ MICRO 100
 L206 1-410-482-31 ■ MICRO 100
 L301 1-410-482-11 ■ MICRO 100
 L303 1-410-482-31 ■ MICRO 100

L304 1-410-482-31 ■ MICRO 100
 L305 1-410-482-31 ■ MICRO 100
 L307 1-410-482-31 ■ MICRO 100
 L308 1-410-482-31 ■ MICRO 100
 L309 1-410-482-31 ■ MICRO 100

L310 1-410-482-31 ■ MICRO 100
 L311 1-410-478-11 ■ MICRO 47
 L401 1-410-482-31 ■ MICRO 100
 L402 1-410-482-31 ■ MICRO 100
 L403 1-410-482-31 ■ MICRO 100

L406 1-410-461-41 ■ MICRO 1.8
 L407 1-410-482-31 ■ MICRO 100
 L408 1-410-478-11 ■ MICRO 47
 L409 1-410-482-31 ■ MICRO 100
 L410 1-410-482-31 ■ MICRO 100

L501 1-410-482-31 ■ MICRO 100
 L502 1-410-482-31 ■ MICRO 100
 L503 1-410-482-31 ■ MICRO 100
 L504 1-410-482-31 ■ MICRO 100
 L506 1-410-482-31 ■ MICRO 100

L509 1-410-482-31 ■ MICRO 100
 L510 1-410-482-31 ■ MICRO 100
 L511 1-410-482-31 ■ MICRO 100
 L601 1-410-482-31 ■ MICRO 100
 L602 1-410-468-11 ■ MICRO 6.8

L603 1-410-482-31 ■ MICRO 100
 L604 1-410-482-31 ■ MICRO 100
 L605 1-410-482-31 ■ MICRO 100
 L607 1-410-468-11 ■ MICRO 6.8
 L608 1-410-471-11 ■ MICRO 12

L609 1-410-482-31 ■ MICRO 100
 L701 1-410-482-31 ■ MICRO 100
 L703 1-410-482-31 ■ MICRO 100
 L705 1-410-482-31 ■ MICRO 100
 L801 1-410-482-31 ■ MICRO 100

L802 1-410-482-31 ■ MICRO 100
 L803 1-410-482-31 ■ MICRO 100
 L805 1-410-482-31 ■ MICRO 100
 L806 1-410-482-31 ■ MICRO 100
 L901 1-410-482-31 ■ MICRO 100

L902 1-459-155-00 ■ 45 (WITH CORE)
 L903 1-459-155-00 ■ 45 (WITH CORE)
 L904 1-459-155-00 ■ 45 (WITH CORE)
 L905 1-459-155-00 ■ 45 (WITH CORE)
 L906 1-459-155-00 ■ 45 (WITH CORE)

LVI 1-408-634-00 ■ FIXED 10.7

Ref.No. Parts No. SP Description

Q1 8-729-101-25 ■ 28C1009A
 Q2 8-729-102-06 ■ 28C2223
 Q3 8-729-101-22 ■ 28C3326N
 Q4 8-729-101-25 ■ 28C1009A
 Q5 8-729-101-25 ■ 28C1009A

Q6 8-729-101-25 ■ 28C1009A
 Q7 8-729-900-53 ■ DTC114EK
 Q8 8-729-900-53 ■ DTC114EK
 Q9 8-729-101-25 ■ 28C1009A
 Q10 8-729-101-25 ■ 28C1009A

Q11 8-729-101-25 ■ 28C1009A
 Q12 8-729-101-25 ■ 28C1009A
 Q13 8-729-101-25 ■ 28C1009A
 Q15 8-729-900-36 ■ DTC124ES
 Q16 8-729-101-25 ■ 28C1009A

Q18 8-729-102-06 ■ 28C2223
 Q19 8-729-202-38 ■ 28C3326N
 Q20 8-729-122-63 ■ 28A1226
 Q21 8-729-202-38 ■ 28C3326N
 Q22 8-729-202-38 ■ 28C3326N

Q23 8-729-202-38 ■ 28C3326N
 Q24 8-729-202-38 ■ 28C3326N
 Q25 8-729-101-25 ■ 28C1009A
 Q26 8-729-101-25 ■ 28C1009A
 Q27 8-729-101-25 ■ 28C1009A

Q28 8-729-101-25 ■ 28C1009A
 Q101 8-729-101-25 ■ 28C1009A
 Q102 8-729-101-25 ■ 28C1009A
 Q103 8-729-101-25 ■ 28C1009A
 Q104 8-729-101-25 ■ 28C1009A

Q105 8-729-101-25 ■ 28C1009A
 Q106 8-729-101-25 ■ 28C1009A
 Q107 8-729-101-25 ■ 28C1009A
 Q108 8-729-101-25 ■ 28C1009A
 Q109 8-729-101-25 ■ 28C1009A

Q110 8-729-101-25 ■ 28C1009A
 Q111 8-729-101-25 ■ 28C1009A
 Q112 8-729-101-25 ■ 28C1009A
 Q113 8-729-101-25 ■ 28C1009A
 Q114 8-729-101-25 ■ 28C1009A

Q115 8-729-101-25 ■ 28C1009A
 Q116 8-729-101-25 ■ 28C1009A
 Q117 8-729-102-06 ■ 28C2223
 Q118 8-729-102-06 ■ 28C2223
 Q119 8-729-102-06 ■ 28C2223

Q201 8-729-101-25 ■ 28C1009A
 Q202 8-729-101-25 ■ 28C1009A
 Q203 8-729-101-25 ■ 28C1009A
 Q204 8-729-202-38 ■ 28C3326N
 Q205 8-729-202-38 ■ 28C3326N

Q206 8-729-202-38 ■ 28C3326N
 Q207 8-729-202-38 ■ 28C3326N
 Q208 8-729-101-25 ■ 28C1009A
 Q301 8-729-122-63 ■ 28A1226
 Q302 8-729-122-63 ■ 28A1226

Q303 8-729-102-06 ■ 28C2223
 Q304 8-729-101-25 ■ 28C1009A
 Q305 8-729-101-25 ■ 28C1009A
 Q306 8-729-101-25 ■ 28C1009A
 Q307 8-729-101-25 ■ 28C1009A

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q308 8-729-101-25 # 2SC1009A
 Q309 8-729-101-25 # 2SC1009A
 Q310 8-729-101-25 # 2SC1009A
 Q311 8-729-101-25 # 2SC1009A
 Q312 8-729-101-25 # 2SC1009A

Q313 8-729-202-38 # 2SC3326N
 Q315 8-729-101-25 # 2SC1009A
 Q316 8-729-101-25 # 2SC1009A
 Q317 8-729-101-25 # 2SC1009A
 Q318 8-729-101-25 # 2SC1009A

Q403 8-729-101-25 # 2SC1009A
 Q404 8-729-101-25 # 2SC1009A
 Q409 8-729-101-25 # 2SC1009A
 Q410 8-729-101-25 # 2SC1009A
 Q411 8-729-101-25 # 2SC1009A

Q412 8-729-101-25 # 2SC1009A
 Q413 8-729-101-25 # 2SC1009A
 Q414 8-729-101-25 # 2SC1009A
 Q415 8-729-101-25 # 2SC1009A
 Q416 8-729-101-25 # 2SC1009A

Q417 8-729-900-36 # DTC114EX
 Q501 8-729-101-25 # 2SC1009A
 Q504 8-729-101-25 # 2SC1009A
 Q505 8-729-101-25 # 2SC1009A
 Q508 8-729-101-25 # 2SC1009A

Q509 8-729-202-38 # 2SC3326N
 Q510 8-729-101-25 # 2SC1009A
 Q511 8-729-101-25 # 2SC1009A
 5) Q512 8-729-900-53 # DTC114EX
 Q513 8-729-202-38 # 2SC3326N

Q514 8-729-202-38 # 2SC3326N
 Q515 8-729-202-38 # 2SC3326N
 Q516 8-729-202-38 # 2SC3326N
 Q517 8-729-202-38 # 2SC3326N
 Q518 8-729-122-63 # 2SA1226

Q519 8-729-101-25 # 2SC1009A
 Q520 8-729-101-25 # 2SC1009A
 Q521 8-729-101-25 # 2SC1009A
 Q522 8-729-101-25 # 2SC1009A
 Q524 8-729-101-25 # 2SC1009A

Q525 8-729-101-25 # 2SC1009A
 Q526 8-729-101-25 # 2SC1009A
 5) Q527 8-729-900-53 # DTC114EX
 Q601 8-729-101-25 # 2SC1009A
 Q602 8-729-101-25 # 2SC1009A

Q603 8-729-101-25 # 2SC1009A
 Q604 8-729-202-38 # 2SC3326N
 Q605 8-729-202-38 # 2SC3326N
 Q606 8-729-202-38 # 2SC3326N
 Q607 8-729-101-25 # 2SC1009A

Q608 8-729-101-25 # 2SC1009A
 Q609 8-729-102-06 # 2SC2223
 Q610 8-729-102-06 # 2SC2223
 Q701 8-729-101-25 # 2SC1009A
 Q702 8-729-122-63 # 2SA1226

Q703 8-729-122-63 # 2SA1226
 Q704 8-729-101-25 # 2SC1009A
 Q705 8-729-101-25 # 2SC1009A
 Q706 8-729-101-25 # 2SC1009A
 Q707 8-729-101-25 # 2SC1009A

Ref.No. Parts No. SP Description

Q708 8-729-101-25 # 2SC1009A
 Q709 8-729-101-25 # 2SC1009A
 Q801 8-729-101-25 # 2SC1009A
 Q803 8-729-101-25 # 2SC1009A
 Q813 8-729-101-25 # 2SC1009A

Q814 8-729-101-25 # 2SC1009A
 Q901 8-729-101-25 # 2SC1009A
 Q902 8-729-122-63 # 2SA1226

R2 1-216-631-11 # METAL CHIP 150 0.50X 1/10W
 R3 1-216-630-11 # METAL CHIP 130 0.50X 1/10W
 R4 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W
 R5 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W
 R6 1-216-639-11 # METAL CHIP 330 0.50X 1/10W

R14 1-216-635-11 # METAL CHIP 220 0.50X 1/10W
 R34 1-216-631-11 # METAL CHIP 150 0.50X 1/10W
 R36 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W
 R37 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W
 R38 1-216-639-11 # METAL CHIP 330 0.50X 1/10W

R39 1-216-659-11 # METAL CHIP 2.2k 0.50X 1/10W
 R40 1-216-659-11 # METAL CHIP 2.2k 0.50X 1/10W
 R46 1-216-635-11 # METAL CHIP 220 0.50X 1/10W
 R56 1-216-635-11 # METAL CHIP 220 0.50X 1/10W
 R69 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W

R70 1-216-643-11 # METAL CHIP 470 0.50X 1/10W
 R71 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W
 R73 1-216-635-11 # METAL CHIP 220 0.50X 1/10W
 R74 1-216-635-11 # METAL CHIP 220 0.50X 1/10W
 R90 1-216-687-11 # METAL CHIP 33k 0.50X 1/10W

R91 1-216-643-11 # METAL CHIP 470 0.50X 1/10W
 R92 1-216-683-11 # METAL CHIP 22k 0.50X 1/10W
 R93 1-216-642-11 # METAL CHIP 430 0.50X 1/10W
 R94 1-216-627-11 # METAL CHIP 100 0.50X 1/10W
 R95 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W

R96 1-216-627-11 # METAL CHIP 100 0.50X 1/10W
 R103 1-216-675-11 # METAL CHIP 10k 0.50X 1/10W
 R104 1-216-675-11 # METAL CHIP 10k 0.50X 1/10W
 R112 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W
 R114 1-216-687-11 # METAL CHIP 33k 0.50X 1/10W

R121 1-216-644-11 # METAL CHIP 510 0.50X 1/10W
 R122 1-216-644-11 # METAL CHIP 510 0.50X 1/10W
 R123 1-216-644-11 # METAL CHIP 510 0.50X 1/10W
 R124 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W
 R125 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W

R126 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W
 R127 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W
 R128 1-216-643-11 # METAL CHIP 470 0.50X 1/10W
 R129 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W
 R130 1-216-639-11 # METAL CHIP 330 0.50X 1/10W

R131 1-216-627-11 # METAL CHIP 100 0.50X 1/10W
 R132 1-216-639-11 # METAL CHIP 330 0.50X 1/10W
 R138 1-216-643-11 # METAL CHIP 470 0.50X 1/10W
 R145 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W
 R202 1-216-647-11 # METAL CHIP 680 0.50X 1/10W

R219 1-216-659-11 # METAL CHIP 2.2k 0.50X 1/10W
 R215 1-216-690-11 # METAL CHIP 43k 0.50X 1/10W
 R228 1-216-683-11 # METAL CHIP 22k 0.50X 1/10W
 R229 1-216-669-11 # METAL CHIP 5.6k 0.50X 1/10W
 R303 1-216-651-11 # METAL CHIP 1k 0.50X 1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

R304	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R305	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R306	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R307	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R308	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R309	1-216-631-11	■	METAL CHIP 150	0.50X	1/10W
R310	1-216-627-11	■	METAL CHIP 100	0.50X	1/10W
R311	1-216-650-11	■	METAL CHIP 910	0.50X	1/10W
R312	1-216-649-11	■	METAL CHIP 820	0.50X	1/10W
R313	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R314	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R315	1-216-656-11	■	METAL CHIP 1.3k	0.50X	1/10W
R316	1-216-619-11	■	METAL CHIP 47	0.50X	1/10W
R317	1-216-651-11	■	METAL CHIP 47	0.50X	1/10W
R318	1-216-627-11	■	METAL CHIP 100	0.50X	1/10W
R319	1-216-627-11	■	METAL CHIP 100	0.50X	1/10W
R320	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R321	1-216-631-11	■	METAL CHIP 150	0.50X	1/10W
R322	1-216-644-11	■	METAL CHIP 510	0.50X	1/10W
R323	1-218-178-11	■	METAL 1k	0.10X	1/16W
R324	1-218-176-11	■	METAL 289	0.10X	1/16W
R327	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R332	1-216-638-11	■	METAL CHIP 300	0.50X	1/10W
R334	1-216-638-11	■	METAL CHIP 300	0.50X	1/10W
R337	1-216-648-11	■	METAL CHIP 750	0.50X	1/10W
R338	1-216-629-11	■	METAL CHIP 120	0.50X	1/10W
R339	1-216-659-11	■	METAL CHIP 2.2k	0.50X	1/10W
R340	1-216-643-11	■	METAL CHIP 470	0.50X	1/10W
R342	1-216-643-11	■	METAL CHIP 470	0.50X	1/10W
R343	1-216-659-11	■	METAL CHIP 2.2k	0.50X	1/10W
R344	1-216-643-11	■	METAL CHIP 470	0.50X	1/10W
R346	1-216-643-11	■	METAL CHIP 470	0.50X	1/10W
2) R357	1-216-643-11	■	METAL CHIP 470	0.50X	1/10W
1) R358	1-216-645-11	■	METAL CHIP 560	0.50X	1/10W
1) R359	1-216-643-11	■	METAL CHIP 470	0.50X	1/10W
2) R359	1-216-627-11	■	METAL CHIP 100	0.50X	1/10W
1) R363	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R365	1-216-643-11	■	METAL CHIP 470	0.50X	1/10W
R368	1-216-650-11	■	METAL CHIP 910	0.50X	1/10W
R370	1-216-650-11	■	METAL CHIP 910	0.50X	1/10W
R376	1-216-627-11	■	METAL CHIP 100	0.50X	1/10W
R377	1-216-675-11	■	METAL CHIP 10k	0.50X	1/10W
R401	1-216-679-11	■	METAL CHIP 15k	0.50X	1/10W
R402	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R403	1-216-650-11	■	METAL CHIP 910	0.50X	1/10W
R420	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R421	1-216-647-11	■	METAL CHIP 680	0.50X	1/10W
R422	1-216-650-11	■	METAL CHIP 910	0.50X	1/10W
R424	1-216-642-11	■	METAL CHIP 430	0.50X	1/10W
R426	1-216-030-00	■	CHIP 160	5X	1/10W
R430	1-216-658-11	■	METAL CHIP 2k	0.50X	1/10W
R432	1-216-637-11	■	METAL CHIP 270	0.50X	1/10W
R434	1-216-691-11	■	METAL CHIP 47k	0.50X	1/10W
R435	1-216-691-11	■	METAL CHIP 47k	0.50X	1/10W
R441	1-216-624-11	■	METAL CHIP 75	0.50X	1/10W
R448	1-216-638-11	■	METAL CHIP 300	0.50X	1/10W
R449	1-216-624-11	■	METAL CHIP 75	0.50X	1/10W
R450	1-216-623-11	■	METAL CHIP 68	0.50X	1/10W
R452	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R505	1-216-635-11	■	METAL CHIP 220	0.50X	1/10W

Ref.No. Parts No. SP Description

R526	1-216-635-11	■	METAL CHIP 220	0.50X	1/10W
R541	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R544	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R546	1-216-635-11	■	METAL CHIP 220	0.50X	1/10W
R565	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R566	1-216-643-11	■	METAL CHIP 470	0.50X	1/10W
R567	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R568	1-216-635-11	■	METAL CHIP 220	0.50X	1/10W
R569	1-216-635-11	■	METAL CHIP 220	0.50X	1/10W
R582	1-216-675-11	■	METAL CHIP 10k	0.50X	1/10W
R583	1-216-675-11	■	METAL CHIP 10k	0.10X	1/16W
R591	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R593	1-216-687-11	■	METAL CHIP 33k	0.50X	1/10W
R602	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R606	1-216-643-11	■	METAL CHIP 470	0.50X	1/10W
R618	1-216-659-11	■	METAL CHIP 2.2k	0.50X	1/10W
R621	1-216-683-11	■	METAL CHIP 22k	0.50X	1/10W
R622	1-216-690-11	■	METAL CHIP 43k	0.50X	1/10W
R626	1-216-669-11	■	METAL CHIP 5.6k	0.50X	1/10W
R635	1-216-643-11	■	METAL CHIP 470	0.50X	1/10W
R636	1-216-646-11	■	METAL CHIP 620	0.50X	1/10W
R641	1-216-650-11	■	METAL CHIP 910	0.50X	1/10W
R642	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R643	1-216-683-11	■	METAL CHIP 22k	0.50X	1/10W
R644	1-216-044-00	■	CHIP 620	5X	1/10W
R645	1-216-036-00	■	CHIP 300	5X	1/10W
R702	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R703	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R704	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R705	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R705	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R707	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R708	1-216-631-11	■	METAL CHIP 150	0.50X	1/10W
R709	1-216-627-11	■	METAL CHIP 100	0.50X	1/10W
R710	1-216-650-11	■	METAL CHIP 910	0.50X	1/10W
R711	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R712	1-216-649-11	■	METAL CHIP 820	0.50X	1/16W
R713	1-216-619-11	■	METAL CHIP 47	0.50X	1/16W
R714	1-216-619-11	■	METAL CHIP 47	0.50X	1/10W
R715	1-216-627-11	■	METAL CHIP 100	0.50X	1/10W
R716	1-216-627-11	■	METAL CHIP 100	0.50X	1/10W
R717	1-216-639-11	■	METAL CHIP 330	0.50X	1/10W
R718	1-216-631-11	■	METAL CHIP 150	0.50X	1/10W
R719	1-216-644-11	■	METAL CHIP 510	0.50X	1/10W
R720	1-218-177-11	■	METAL 1k	0.10X	1/16W
R721	1-218-175-11	■	METAL 267	0.10X	1/16W
R722	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R723	1-216-654-11	■	METAL CHIP 1.3k	0.50X	1/10W
R738	1-216-643-11	■	METAL CHIP 470	0.50X	1/10W
R739	1-216-655-11	■	METAL CHIP 1.5k	0.50X	1/10W
R740	1-216-679-11	■	METAL CHIP 15k	0.50X	1/10W
R742	1-216-638-11	■	METAL CHIP 300	0.50X	1/10W
R743	1-216-638-11	■	METAL CHIP 300	0.50X	1/10W
R744	1-216-638-11	■	METAL CHIP 300	0.50X	1/10W
R745	1-216-638-11	■	METAL CHIP 300	0.50X	1/10W
R748	1-216-629-11	■	METAL CHIP 120	0.50X	1/10W
R749	1-216-667-11	■	METAL CHIP 4.7k	0.50X	1/10W
R750	1-216-659-11	■	METAL CHIP 2.2k	0.50X	1/10W
R803	1-216-650-11	■	CARBON 910	0.50X	1/10W
R804	1-216-651-11	■	CARBON 1k	0.50X	1/10W
R824	1-216-624-11	■	METAL CHIP 75	0.50X	1/10W
R827	1-216-615-11	■	METAL CHIP 33	0.50X	1/10W
R828	1-216-675-11	■	METAL CHIP 10	0.50X	1/10W
R835	1-216-624-11	■	METAL CHIP 75	0.50X	1/10W
R836	1-216-623-11	■	METAL CHIP 68	0.50X	1/10W

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
RB901	1-231-411-00	o	RESISTOR BLOCK 100k
RV1	1-228-458-11	o	VAR, CERMET 5k
RV2	1-228-457-11	o	VAR, CERMET 2k
RV3	1-228-459-11	o	VAR, CERMET 10k
RV4	1-228-456-11	o	VAR, CERMET 1k
RV6	1-228-458-11	o	VAR, CERMET 5k
RV7	1-228-457-11	o	VAR, CERMET 2k
RV8	1-228-459-11	o	VAR, CERMET 10k
5) RV9	1-228-457-11	o	VAR, CERMET 2k
5) RV11	1-237-515-21	o	VAR, CERMET 1k
5) RV12	1-237-515-21	o	VAR, CERMET 1k
5) RV13	1-237-515-21	o	VAR, CERMET 1k
5) RV14	1-237-515-21	o	VAR, CERMET 1k
RV15	1-228-456-11	o	VAR, CERMET 1k
RV102	1-237-515-21	o	VAR, CERMET 1k
RV103	1-237-515-21	o	VAR, CERMET 1k
RV104	1-228-459-11	o	VAR, CERMET 10k
RV105	1-228-457-11	o	VAR, CERMET 2k
RV106	1-237-515-21	o	VAR, CERMET 1k
RV107	1-237-515-21	o	VAR, CERMET 1k
RV201	1-228-457-11	o	VAR, CERMET 2k
RV202	1-228-454-11	o	VAR, CERMET 200
RV203	1-228-459-11	o	VAR, CERMET 10k
1) RV204	1-228-461-11	o	VAR, CERMET 50k
2) RV204	1-228-462-11	o	VAR, CERMET 100k
RV205	1-228-461-11	o	VAR, CERMET 50k
RV206	1-228-459-11	o	VAR, CERMET 10k
RV207	1-228-459-11	o	VAR, CERMET 10k
RV301	1-228-459-11	o	VAR, CERMET 10k
RV302	1-228-454-11	o	VAR, CERMET 200
RV303	1-228-456-11	o	VAR, CERMET 1k
RV304	1-228-455-11	o	VAR, CERMET 500
1) RV305	1-237-519-21	o	VAR, CERMET 20k
2) RV305	1-237-516-21	o	VAR, CERMET 2k
RV306	1-228-458-11	o	VAR, CERMET 5k
RV307	1-228-458-11	o	VAR, CERMET 5k
RV308	1-228-456-11	o	VAR, CERMET 1k
RV401	1-228-458-11	o	VAR, CERMET 5k
RV405	1-228-461-11	o	VAR, CERMET 5k
RV501	1-228-457-11	o	VAR, CERMET 2k
RV502	1-228-459-11	o	VAR, CERMET 10k
RV503	1-228-456-11	o	VAR, CERMET 1k
RV504	1-228-457-11	o	VAR, CERMET 2k
RV505	1-228-459-11	o	VAR, CERMET 10k
5) RV507	1-228-457-11	o	VAR, CERMET 2k
5) RV508	1-237-515-21	o	VAR, CERMET 1k
5) RV509	1-237-515-21	o	VAR, CERMET 1k
5) RV510	1-237-515-21	o	VAR, CERMET 1k
5) RV511	1-237-515-21	o	VAR, CERMET 1k
RV512	1-228-457-11	o	VAR, CERMET 2k
RV601	1-228-458-11	o	VAR, CERMET 5k
RV602	1-228-455-11	o	VAR, CERMET 500
RV603	1-228-459-11	o	VAR, CERMET 10k
RV604	1-228-462-11	o	VAR, CERMET 100k
RV605	1-228-460-11	o	VAR, CERMET 20k
RV606	1-228-459-11	o	VAR, CERMET 10k
RV701	1-228-460-11	o	VAR, CERMET 20k
RV702	1-228-455-11	o	VAR, CERMET 500
RV703	1-237-516-21	o	VAR, CERMET 2k
RV704	1-228-456-11	o	VAR, CERMET 1k
RV802	1-228-456-11	o	VAR, CERMET 1k

Ref.No. Parts No. SP Description

S402	1-552-509-00	o	DIP
S403	1-552-509-00	o	DIP
S802	1-552-509-00	o	DIP
S901	1-552-509-00	o	DIP

SP101	1-566-388-11	o	PIN 2P
SP102	1-566-388-11	o	PIN 2P
SP301	1-566-388-11	o	PIN 2P
SP402	1-566-388-11	o	PIN 2P
SP501	1-566-388-11	o	PIN 2P

SP502	1-566-388-11	o	PIN 2P
SP701	1-566-388-11	o	PIN 2P
SP801	1-566-388-11	o	PIN 2P

SS101	1-565-413-11	o	RECEPTACLE 2P
SS301	1-565-413-11	o	RECEPTACLE 2P
SS402	1-565-413-11	o	RECEPTACLE 2P
SS501	1-565-413-11	o	RECEPTACLE 2P
SS701	1-565-413-11	o	RECEPTACLE 2P

SS801	1-565-413-11	o	RECEPTACLE 2P
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TH301	1-800-202-XX	o	S-10K
TH402	1-800-200-00	o	S-3K

DP-71 BOARD

All the component parts on the DP-71 board are supplied together when you order the key chassis ass'y.

1-622-556-11 o PRINTED CIRCUIT BOARD, DP-71

D60	8-719-942-19	o	LB-402VK
D61	8-719-942-19	o	LB-402VK
D62	8-719-942-19	o	LB-402VK
D63	8-719-942-19	o	LB-402VK

S29	1-552-539-00	o	KEY BOARD
S30	1-552-539-00	o	KEY BOARD
S31	1-552-539-00	o	KEY BOARD

DP-72 BOARD

1-622-591-12 o PRINTED CIRCUIT BOARD, DP-72

D1	8-719-800-89	o	TLY255
D2	8-719-800-89	o	TLY255
D3	8-719-800-89	o	TLY255
D4	8-719-800-89	o	TLY255

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

DP-73/74, DR-56, DT-13

Ref.No. Parts No. SP Description

DP-73 BOARD

All the component parts on the DP-73 board are supplied together when you order the indication tube ass'y.

1-464-821-11 s DC-DC CONVERTER

C101 1-124-343-11 s ELECT 2200 20X 16V

L101 1-459-155-00 s 45 (WITH CORE)
L102 1-459-155-00 s 45 (WITH CORE)

R101 1-207-620-11 s WIRE 1 10X 3W
R102 1-532-675-21 s IC LINK

S101 1-571-258-11 s SLIDE
S102 1-571-258-11 s SLIDE

DP-74 BOARD

All the component parts on the DP-74 board are supplied together when you order the indication tube ass'y.

C5 1-124-255-00 s ELECT 100 20X 6.3V
C6 1-124-248-00 s ELECT 22 20X 35V
C8 1-124-584-00 s ELECT 100 20X 10V
C9 1-124-584-00 s ELECT 100 20X 10V
C13 1-124-255-00 s ELECT 1 20X 50V

C14 1-124-224-00 s ELECT 47 20X 6.3V

D1 8-719-095-65 s RD3.3ES-B1
D2 8-719-100-05 s 1S2837
D3 8-719-109-72 s RD3.9ES-B2
D4 8-719-100-05 s 1S2837
D5 8-719-100-05 s 1S2837

IC1 8-759-942-62 s MB88515B-280W (FUJITSU)
IC2 8-759-904-71 s MSL917RS (OKI)

Q1 8-729-901-06 s DTA144EK
Q2 8-729-901-06 s DTA144EK
Q3 8-729-901-06 s DTA144EK
Q4 8-729-271-23 s 2SC712
Q5 8-729-271-23 s 2SC2712

RV1 1-228-471-11 s VAR, CERMET 1k

X1 1-567-143-00 s OSCILLATOR, CERAMIC 6.00MHz

Ref.No. Parts No. SP Description

DR-56 BOARD

1-622-561-12 o PRINTED CIRCUIT BOARD, DR-56

Q1 8-729-376-83 s 2SA768-Y
Q2 8-729-402-10 s 2SD1276A
Q3 8-729-402-10 s 2SD1276A
Q4 8-729-402-10 s 2SD1276A
Q5 8-729-402-10 s 2SD1276A

Q6 8-729-402-10 s 2SD1276A
Q7 8-729-402-10 s 2SD1276A
Q8 8-729-376-83 s 2SA768-Y
Q9 8-729-102-57 s 2SC3012
Q10 8-729-114-11 s 2SA1141

Q11 8-729-114-11 s 2SA1141
Q12 8-729-102-57 s 2SC3012

DT-13 BOARD

IC21 8-759-741-65 s 2764-BVW75P V1.03DT

A-6715-359-A o MOUNTED CIRCUIT BOARD, DT-13

C100 1-124-236-00 s ELECT 47 20X 16V
C101 1-124-236-00 s ELECT 47 20X 16V
C102 1-124-236-00 s ELECT 47 20X 16V
C114 1-124-462-00 s ELECT 10 20X 16V
C115 1-124-236-00 s ELECT 47 20X 16V

CN1 1-506-748-11 s DIN 96P

D10 8-719-911-19 s 1S8119
D12 8-719-911-19 s 1S8119
D13 8-719-911-19 s 1S8119
D201 8-719-911-19 s 1S8119
D202 8-719-101-97 s 1S897-1

D203 8-719-911-19 s 1S8119
D204 8-719-911-19 s 1S8119
D205 8-719-911-19 s 1S8119
D302 8-719-911-19 s 1S8119
D303 8-719-911-19 s 1S8119

D305 8-719-800-60 s TLR214
D306 8-719-101-97 s 1S897-1

IC1 8-759-145-58 s uPCA558C (NEC)
IC3 8-759-926-65 s SN74HC368NS (TI)
IC4 8-759-145-58 s uPCA558C (NEC)
IC5 8-759-729-03 s NJM2903D (JRC)
IC6 8-759-200-80 s TC4050BF (TOSHIBA)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

IC7	8-759-240-30	■	TC4030BF (TOSHIBA)
IC9	8-759-200-67	■	TC4001BF (TOSHIBA)
IC10	8-759-200-84	■	TC4081BF (TOSHIBA)
IC11	8-759-200-90	■	TC4538BF (TOSHIBA)
IC15	8-759-914-74	■	MSH520AARS (OKI)
IC19	8-759-204-71	■	TC40H163F (TOSHIBA)
IC20	8-759-208-86	■	TMP284C011AF-6 (TOSHIBA)
IC22	8-752-323-64	■	CXK5816M-12L (SONY)
IC23	8-759-204-60	■	TC40H139F (TOSHIBA)
IC24	8-759-201-63	■	TC40H032F (TOSHIBA)
IC26	8-759-208-41	■	TMP284C30AP-6 (TOSHIBA)
IC27	8-759-205-06	■	TC74HC74W (TOSHIBA)
IC28	8-759-938-68	■	CXD1095Q (SONY)
IC35	8-759-910-83	■	TL072ACP (TI)
IC37	8-759-208-11	■	TC4053BFHB (TOSHIBA)
IC38	8-759-208-11	■	TC4053BFHB (TOSHIBA)
IC40	8-759-145-58	■	uPC4558C (NEC)
IC42	8-759-205-78	■	TC504013BF (TOSHIBA)

Q201	8-729-600-27	■	28C634SP
Q306	8-729-600-27	■	28C634SP

R151	1-247-895-00	■	CARBON 470k 5% 1/4W
R230	1-247-887-00	■	CARBON 220k 5% 1/4W

RB201	1-231-387-00	■	NETTY
RB202	1-231-387-00	■	NETTY
RB203	1-232-029-11	■	COMPOSITION CIRCUIT BLOCK
RB204	1-232-235-11	■	COMPOSITION CIRCUIT BLOCK
RB301	1-231-387-00	■	NETTY
RB302	1-231-387-00	■	NETTY

RV205	1-237-518-21	■	VAR, CERMET 10k
RV206	1-237-518-21	■	VAR, CERMET 10k

S201	1-553-572-00	■	DIP (PIANO TYPE)
S202	1-552-539-00	■	KEY BOARD

X201	1-567-865-11	■	VIBRATOR 12.000MHz
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DT-14P BOARD

This board includes the DUS-282 board.

A-6715-387-A o MOUNTED CIRCUIT BOARD, DT-14P

C9	1-136-153-00	■	MYLAR 0.01 10% 50V
C10	1-162-710-11	■	CERAMIC 100pF 1% 50V
C11	1-136-165-00	■	MYLAR 0.1 10% 50V
C12	1-136-153-00	■	MYLAR 0.01 10% 50V
C14	1-136-153-00	■	MYLAR 0.01 10% 50V

Ref.No. Parts No. SP Description

C16	1-136-155-00	■	MYLAR 0.015 10% 50V
C17	1-136-153-00	■	MYLAR 0.01 10% 50V
C19	1-162-722-11	■	CERAMIC 330pF 1% 50V
C20	1-136-157-00	■	MYLAR 0.022 10% 50V
C21	1-136-153-00	■	MYLAR 0.01 10% 50V
C22	1-136-153-00	■	MYLAR 0.01 10% 50V
C23	1-136-153-00	■	MYLAR 0.01 10% 50V
C24	1-162-710-11	■	CERAMIC 100pF 1% 50V
C25	1-136-153-00	■	MYLAR 0.01 10% 50V
C26	1-136-165-00	■	MYLAR 0.1 10% 50V
C28	1-136-153-00	■	MYLAR 0.01 10% 50V
C30	1-136-155-00	■	MYLAR 0.015 10% 50V
C31	1-136-159-00	■	MYLAR 0.033 10% 50V
C32	1-136-161-00	■	MYLAR 0.047 10% 50V
C34	1-136-165-00	■	MYLAR 0.1 10% 50V
C35	1-136-159-00	■	MYLAR 0.033 10% 50V
C36	1-136-161-00	■	MYLAR 0.047 10% 50V
C38	1-130-511-91	■	MYLAR 0.0039 10% 50V
C39	1-130-511-91	■	MYLAR 0.0039 10% 50V
C40	1-136-153-00	■	MYLAR 0.01 10% 50V

C41	1-136-153-00	■	MYLAR 0.01 10% 50V
C42	1-136-153-00	■	MYLAR 0.01 10% 50V
C43	1-136-153-00	■	MYLAR 0.01 10% 50V
C45	1-136-165-00	■	MYLAR 0.1 10% 50V
C49	1-130-511-91	■	MYLAR 0.0039 10% 50V

C50	1-130-511-91	■	MYLAR 0.0039 10% 50V
C51	1-136-153-00	■	MYLAR 0.01 10% 50V
C52	1-136-153-00	■	MYLAR 0.01 10% 50V
C53	1-136-153-00	■	MYLAR 0.01 10% 50V
C54	1-136-153-00	■	MYLAR 0.01 10% 50V

C58	1-136-165-00	■	MYLAR 0.1 10% 50V
C59	1-136-165-00	■	MYLAR 0.1 10% 50V
C76	1-136-157-00	■	MYLAR 0.022 10% 50V
C77	1-136-157-00	■	MYLAR 0.022 10% 50V
C100	1-124-236-00	■	ELECT 47 20% 16V

C101	1-124-236-00	■	ELECT 47 20% 16V
C102	1-124-236-00	■	ELECT 47 20% 16V
C206	1-136-153-00	■	MYLAR 0.01 10% 50V
C207	1-161-013-00	■	CERAMIC 0.01 10% 25V
C301	1-136-153-00	■	MYLAR 0.01 10% 50V

C302	1-136-153-00	■	MYLAR 0.01 10% 50V
C304	1-124-236-00	■	ELECT 47 20% 16V
C305	1-124-236-00	■	ELECT 47 20% 16V
C313	1-162-714-11	■	CERAMIC 150pF 1% 50V
C314	1-124-234-00	■	ELECT 22 20% 16V

C316	1-162-726-11	■	CERAMIC 470pF 1% 50V
C317	1-136-153-00	■	MYLAR 0.01 10% 50V
C319	1-136-153-00	■	MYLAR 0.01 10% 50V
C320	1-136-165-00	■	MYLAR 0.1 10% 50V
C325	1-130-511-91	■	MYLAR 0.0039 10% 50V

C329	1-136-153-00	■	MYLAR 0.01 10% 50V
C338	1-136-157-00	■	MYLAR 0.022 10% 50V
C339	1-161-013-00	■	CERAMIC 0.01 10% 25V

CN1	1-506-748-11	■	DIN 96P
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D1	8-719-911-19	■	ISS119
D2	8-719-101-97	■	ISS97-1
D3	8-719-911-19	■	ISS119
D4	8-719-109-72	■	RD3.9ES-82
D5	8-719-109-72	■	RD3.9ES-82

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

D6 8-719-911-19 # ISS119
D7 8-719-911-19 # ISS119
D8 8-719-911-19 # ISS119
D9 8-719-911-19 # ISS119
D14 8-719-911-19 # ISS119

D15 8-719-911-19 # ISS119
D16 8-719-911-19 # ISS119
D17 8-719-911-19 # ISS119
D301 8-719-911-19 # ISS119
D304 8-719-911-19 # ISS119

IC1 8-759-300-78 # HD14538RFF (HITACHI)
IC2 8-759-205-78 # TC504013BF (TOSHIBA)
IC3 8-759-145-58 # uPC4558C (NEC)
IC4 8-759-145-58 # uPC4558C (NEC)
IC5 8-759-145-58 # uPC4558C (NEC)

IC6 8-759-145-58 # uPC4558C (NEC)
IC7 8-759-145-58 # uPC4558C (NEC)
IC8 8-759-145-58 # uPC4558C (NEC)
IC9 8-759-300-78 # HD14538RFF (HITACHI)
IC10 8-759-300-78 # HD14538RFF (HITACHI)

IC11 8-759-145-58 # uPC4558C (NEC)
IC12 8-759-200-74 # TC4023BF (TOSHIBA)
IC13 8-759-200-82 # TC4069UBF (TOSHIBA)
IC14 8-759-200-68 # TC4011BF (TOSHIBA)
IC15 8-759-145-58 # uPC4558C (NEC)

IC16 8-759-145-58 # uPC4558C (NEC)
IC17 8-759-145-58 # uPC4558C (NEC)
IC18 8-759-145-58 # uPC4558C (NEC)
IC19 8-759-145-58 # uPC4558C (NEC)
IC20 8-759-145-58 # uPC4558C (NEC)

IC21 8-759-200-81 # TC4053BF (TOSHIBA)
IC22 8-759-200-81 # TC4053BF (TOSHIBA)
IC23 8-759-200-81 # TC4053BF (TOSHIBA)
IC43 8-759-205-78 # TC504013BF (TOSHIBA)
IC44 8-759-300-78 # HD14538RFF (HITACHI)

IC45 8-759-200-78 # TC4030BF (TOSHIBA)
IC46 8-759-300-78 # HD14538RFF (HITACHI)
IC47 8-759-205-78 # TC504013BF (TOSHIBA)
IC48 8-759-300-78 # HD14538RFF (HITACHI)
IC50 8-759-200-81 # TC4053BF (TOSHIBA)

IC51 8-759-200-81 # TC4053BF (TOSHIBA)
IC101 8-752-006-10 # CX20061 (SONY)
IC102 8-759-400-06 # AN608P (MATSUSHITA)
IC103 8-759-324-11 # HA12411 (HITACHI)
IC104 8-749-909-15 # BX3915A (SONY)

IC105 8-759-729-03 # NJM2903D (JRC)
IC106 8-759-300-78 # HD14538RFF (HITACHI)

L301 1-410-482-31 # MICRO 100
L303 1-410-488-11 # MICRO 6.8

Q1 8-729-201-04 # 2SC2878
Q2 8-729-201-04 # 2SC2878
Q301 8-729-173-37 # 2SA733-P
Q302 8-729-603-30 # 2SC4038P-3
Q303 8-729-201-04 # 2SC2878

Ref.No. Parts No. SP Description

Q304 8-729-603-30 # 2SC4038P-3
Q305 8-729-201-04 # 2SC2878
Q501 8-729-801-72 # 2SC2603-R

R25 1-247-883-00 # CARBON 150k SZ 1/4W
R37 1-247-887-00 # CARBON 220k SZ 1/4W
R38 1-247-887-00 # CARBON 220k SZ 1/4W
R505 1-247-885-00 # CARBON 180k SZ 1/4W
R506 1-247-885-00 # CARBON 180k SZ 1/4W

RV2 1-237-520-21 # VAR, CERMET 50k
RV3 1-237-520-21 # VAR, CERMET 50k
RV4 1-237-520-21 # VAR, CERMET 50k
RV5 1-237-520-21 # VAR, CERMET 50k
RV6 1-237-518-21 # VAR, CERMET 10k

RV7 1-237-518-21 # VAR, CERMET 10k
RV203 1-237-521-21 # VAR, CERMET 100k
RV304 1-237-520-21 # VAR, CERMET 50k
RV305 1-237-521-21 # VAR, CERMET 100k

S1 1-552-509-00 # DIP

DT-15 BOARD

A 6-6715-355-A o MOUNTED CIRCUIT BOARD, DT-15

1-533-189-11 o HOLDER, FUSE
1-533-189-11 o HOLDER, FUSE
1-562-151-11 o HOUSING 6P
1-562-157-11 o HOUSING 12P

C1 1-136-161-00 # MYLAR 0.047 10X 50V
C2 1-123-321-00 # ELECT 220 20Z 16V
C3 1-123-321-00 # ELECT 220 20Z 16V
C4 1-123-321-00 # ELECT 220 20Z 16V
C5 1-123-321-00 # ELECT 220 20Z 16V

C6 1-123-321-00 # ELECT 220 20Z 16V
C7 1-123-321-00 # ELECT 220 20Z 16V
C8 1-130-834-00 # FILM 1 10Z 63V
C9 1-136-200-11 # FILM 0.15 10Z 400V
C10 1-136-200-11 # FILM 0.15 10Z 400V

C11 1-136-200-11 # FILM 0.15 10Z 400V
C12 1-136-200-11 # FILM 0.15 10Z 400V
C13 1-136-200-11 # FILM 0.15 10Z 400V
C14 1-136-200-11 # FILM 0.15 10Z 400V
C15 1-136-161-00 # MYLAR 0.047 10Z 50V

C16 1-136-161-00 # MYLAR 0.047 10Z 50V
C43 1-123-932-00 # ELECT 4.7 160V
C46 1-123-932-00 # ELECT 4.7 160V
C60 1-162-710-11 # CERAMIC 100pF 1Z 50V
C61 1-162-710-11 # CERAMIC 100pF 1Z 50V

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

D1 8-719-815-85 ■ 181585
 D2 8-719-947-85 ■ ERB44-08
 D3 8-719-947-85 ■ ERB44-08
 D4 8-719-947-85 ■ ERB44-08
 D5 8-719-947-85 ■ ERB44-08

D7 8-719-100-05 ■ 182837
 D8 8-719-100-03 ■ 182835
 D9 8-719-101-23 ■ 18S123
 D11 8-719-100-41 ■ RD6.8ES-R2
 D12 8-719-101-23 ■ 18S123

D15 8-719-100-03 ■ 182835

A.F1 1-532-078-00 ■ 250V, 1A

IC7 8-759-700-43 ■ NJM4558M (JRC)
 IC8 8-759-700-43 ■ NJM4558M (JRC)
 IC9 8-759-700-43 ■ NJM4558M (JRC)
 IC10 8-759-700-43 ■ NJM4558M (JRC)

L1 1-410-852-11 ■ CHOKE 138
 L3 1-407-510-00 ■ MICRO 33MH
 L4 1-407-510-00 ■ MICRO 33MH
 L5 1-407-510-00 ■ MICRO 33MH
 L6 1-407-510-00 ■ MICRO 33MH

Q1 8-729-101-68 ■ 28C2554
 Q2 8-729-101-68 ■ 28C2554
 Q6 8-729-105-97 ■ 28A1156-2K
 Q7 8-769-420-00 ■ 28C1762-1
 Q8 8-769-420-00 ■ 28C1762-1

Q9 8-729-203-38 ■ 28C3326N
 Q10 8-729-216-21 ■ 28A1162-Y
 Q11 8-769-360-01 ■ 28A911
 Q12 8-729-105-97 ■ 28A1156-2K
 Q13 8-769-420-00 ■ 28C1762-1

Q14 8-769-420-00 ■ 28C1762-1
 Q15 8-729-203-38 ■ 28C3326N
 Q16 8-729-216-21 ■ 28A1162-Y
 Q17 8-769-360-01 ■ 28A911

R1 1-249-457-11 ■ CARBON 6.8 5% 1/4W
 R2 1-247-700-11 ■ CARBON 100 5% 1/4W
 R3 1-249-457-11 ■ CARBON 6.8 5% 1/4W
 R4 1-247-713-11 ■ CARBON 1% 5% 1/4W
 R47 1-244-937-00 ■ CARBON 470k 5% 1/2W

R52 1-214-924-00 ■ METAL 300k 1% 1/2W
 R54 1-214-915-00 ■ CARBON 120k 5% 1/2W
 R55 1-214-915-00 ■ CARBON 120k 5% 1/2W
 R58 1-247-755-11 ■ CARBON 1.8k 5% 1/2W
 R65 1-244-937-00 ■ CARBON 470k 5% 1/2W

R70 1-214-924-00 ■ METAL 300k 1% 1/2W
 R72 1-214-915-00 ■ CARBON 120k 5% 1/2W
 R73 1-214-915-00 ■ CARBON 120k 5% 1/2W
 R76 1-247-755-11 ■ CARBON 1.8k 5% 1/2W

Ref.No. Parts No. SP Description

RV2 1-237-503-21 ■ VAR, METAL FILM 10k

T1 1-448-937-11 ■ CONVERTER

DUS-259 BOARD

All the component parts on the DUS-259 board are supplied together when you order the DM-56P board.

C1 1-107-080-00 ■ SILVERD 62pF 5% 50V

CN1 1-564-783-11 ■ 5P

Q1 8-729-102-07 ■ 28C2223-F13
 Q2 8-729-102-07 ■ 28C2223-F13

DUS-269 BOARD

All the component parts on the DUS-269 board are supplied together when you order the DM-56P board.

C625 1-126-101-11 ■ ELECT 100 20% 16V

CN1 1-566-473-21 ■ 1P
 CN2 1-566-473-11 ■ 1P
 CN3 1-566-473-21 ■ 1P
 CN4 1-566-473-11 ■ 1P

L606 1-410-782-31 ■ MICRO 100

Q1 8-729-104-51 ■ 28C1009A
 Q2 8-729-104-51 ■ 28C1009A

R1 1-216-651-11 ■ METAL CHIP 10k 0.50% 1/10W
 R2 1-216-650-11 ■ METAL CHIP 910 0.50% 1/10W
 R3 1-216-651-11 ■ METAL CHIP 10k 0.50% 1/10W

RV1 1-228-457-11 ■ VAR, CERMET 2k

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

DUS-270/272PC/272PY/273

Ref.No. Parts No. SP Description

DUS-270 BOARD

All the component parts on the DUS-270 board are supplied together when you order the V0-18P board.

C655 1-124-222-00 s ELECT 22 20X 6.3V

Q607 8-729-100-66 s 2SC1623

Q608 8-729-100-66 s 2SC1623

DUS-272PC BOARD

All the component parts on the DUS-272PC board are supplied together when you order the MD-46P board.

C4 1-135-125-95 s TANTAL 33 10X 10V

C5 1-163-094-00 s CERAMIC CHIP 11pF 5X 50V

C6 1-163-103-00 s CERAMIC CHIP 27pF 5X 50V

C10 1-135-093-21 s TANTAL 10 10X 10V

CN1 1-565-897-11 o BOARD TO BOARD 18P

IC1 8-752-030-80 s CXA1039M (SONY)

Q1 8-729-201-27 s 2SC2715-Y

Q2 8-729-201-27 s 2SC2715-Y

Q3 8-729-201-27 s 2SC2715-Y

Q4 8-729-201-27 s 2SC2715-Y

Q5 8-729-201-27 s 2SC2715-Y

Q6 8-729-102-07 s 2SC2223-F13

Q7 8-729-102-07 s 2SC2223-F13

R3 1-216-657-11 s METAL CHIP 1.8k 0.50X 1/10W

R6 1-216-647-11 s METAL CHIP 680 0.50X 1/10W

R7 1-216-657-11 s METAL CHIP 1.8k 0.50X 1/10W

R8 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W

R10 1-216-654-11 s METAL CHIP 1.3k 0.50X 1/10W

R11 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W

R12 1-216-691-11 s METAL CHIP 47k 0.50X 1/10W

R13 1-216-691-11 s METAL CHIP 47k 0.50X 1/10W

R17 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W

RV1 1-228-471-11 s VAR, CERMET 1k

RV2 1-228-476-11 s VAR, CERMET 50k

RV3 1-228-471-11 s VAR, CERMET 1k

TH1 1-800-200-11 s S-3K

Ref.No. Parts No. SP Description

DUS-272PY BOARD

All the component parts on the DUS-272PY board are supplied together when you order the MD-46P board.

C4 1-135-125-95 s TANTAL 33 10X 10V

C5 1-163-094-00 s CERAMIC CHIP 11pF 5X 50V

C6 1-163-103-00 s CERAMIC CHIP 27pF 5X 50V

C10 1-135-093-21 s TANTAL 10 10X 10V

CN1 1-565-897-11 o BOARD TO BOARD 18P

IC1 8-752-030-80 s CXA1039M (SONY)

Q1 8-729-201-27 s 2SC2715-Y

Q2 8-729-201-27 s 2SC2715-Y

Q3 8-729-201-27 s 2SC2715-Y

Q4 8-729-201-27 s 2SC2715-Y

Q5 8-729-201-27 s 2SC2715-Y

Q6 8-729-102-07 s 2SC2223-F13

Q7 8-729-102-07 s 2SC2223-F13

R3 1-216-657-11 s METAL CHIP 1.8k 0.50X 1/10W

R6 1-216-647-11 s METAL CHIP 680 0.50X 1/10W

R7 1-216-657-11 s METAL CHIP 1.8k 0.50X 1/10W

R8 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W

R10 1-216-654-11 s METAL CHIP 1.3k 0.50X 1/10W

R11 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W

R12 1-216-691-11 s METAL CHIP 47k 0.50X 1/10W

R13 1-216-691-11 s METAL CHIP 47k 0.50X 1/10W

R17 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W

RV1 1-228-471-11 s VAR, CERMET 1k

RV2 1-228-476-11 s VAR, CERMET 50k

RV3 1-228-471-11 s VAR, CERMET 1k

TH1 1-800-200-11 s S-3K

DUS-273 BOARD

All the component parts on the DUS-273 board are supplied together when you order the DEC-42P board.

1-627-651-11 s PRINTED CIRCUIT BOARD, DUS-273

R1 1-216-660-11 s METAL CHIP 2.4k 0.50X 1/10W

R2 1-216-670-11 s METAL CHIP 6.2k 0.50X 1/10W

RV1 1-228-457-11 s VAR, CERMET 2k

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No. Parts No. SP Description

DUS-282 BOARD

All the component parts on the DUS-282 board are supplied together when you order the DT-14P board.

A-6724-647-A o MOUNTED CIRCUIT BOARD, DUS-282

IC53 8-759-908-92 s TL084CNS (TI)

2) DUS-288 BOARD

All the component parts on the DUS-288 board are supplied together when you order the DM-56P board.

1-628-943-11 s PRINTED CIRCUIT BOARD, DUS-288

C1 1-163-241-00 s CERAMIC CHIP 39pF 5% 50V

CN1 1-566-473-11 o PIN, SOCKET 1P

CN2 1-566-473-11 o PIN, SOCKET 1P

CV1 1-141-260-00 s TRIMMER, CERAMIC 30pF

Q1 8-729-109-43 s 2SK94-X3

R1 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W

EN-48P BOARD

A-6711-891-A o MOUNTED CIRCUIT BOARD, EN-48P

C6	1-124-584-00	s	ELECT	100	20%	10V
C8	1-124-584-00	s	ELECT	100	20%	10V
C12	1-124-222-00	s	ELECT	22	20%	6.3V
C13	1-124-462-00	s	ELECT	10	20%	6.3V
C14	1-124-584-00	s	ELECT	100	20%	10V

C16	1-124-584-00	s	ELECT	100	20%	10V
C21	1-124-584-00	s	ELECT	100	20%	10V
C22	1-124-584-00	s	ELECT	100	20%	10V
C41	1-162-886-21	s	CERAMIC	390pF	5%	50V
C43	1-124-236-00	s	ELECT	47	20%	10V

C46	1-124-236-00	s	ELECT	47	20%	10V
C48	1-124-236-00	s	ELECT	47	20%	10V
C51	1-124-584-00	s	ELECT	100	20%	10V
C53	1-124-584-00	s	ELECT	100	20%	10V
C55	1-163-033-00	s	CERAMIC CHIP	0.022		50V

Ref.No. Parts No. SP Description

C56	1-124-236-00	s	ELECT	47	20%	16V
C59	1-124-236-00	s	ELECT	47	20%	16V
C61	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C64	1-162-880-21	s	CERAMIC	120pF	5%	50V
C68	1-124-584-00	s	ELECT	100	20%	10V

C70	1-124-236-00	s	ELECT	47	20%	10V
C71	1-162-877-21	s	CERAMIC	82pF	5%	50V
C77	1-124-584-00	s	ELECT	100	20%	10V
C81	1-124-584-00	s	ELECT	100	20%	10V
C85	1-124-236-00	s	ELECT	47	20%	10V

C86	1-162-886-21	s	CERAMIC	390pF	5%	50V
C89	1-161-463-00	s	CERAMIC	220pF	5%	50V
C92	1-124-584-00	s	ELECT	100	20%	10V
C111	1-124-584-00	s	ELECT	100	20%	10V
C112	1-124-225-00	s	ELECT	100	20%	6.3V

C115	1-124-584-00	s	ELECT	100	20%	10V
C117	1-124-584-00	s	ELECT	100	20%	10V
C118	1-124-225-00	s	ELECT	100	20%	6.3V
C126	1-124-584-00	s	ELECT	100	20%	10V
C130	1-124-584-00	s	ELECT	100	20%	10V

C134	1-124-225-00	s	ELECT	100	20%	6.3V
C203	1-124-584-00	s	ELECT	100	20%	10V
C204	1-124-584-00	s	ELECT	100	20%	10V
C214	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C216	1-163-033-00	s	CERAMIC CHIP	0.022		50V

C330	1-124-584-00	s	ELECT	100	20%	10V
C337	1-124-584-00	s	ELECT	100	20%	10V
C400	1-124-225-00	s	ELECT	100	20%	6.3V
C503	1-124-462-00	s	ELECT	10	20%	6.3V
C506	1-124-584-00	s	ELECT	100	20%	10V

C507	1-124-584-00	s	ELECT	100	20%	10V
C508	1-161-463-00	s	CERAMIC	220pF	5%	50V
C503	1-124-462-00	s	ELECT	10	20%	6.3V
C604	1-124-236-00	s	ELECT	47	20%	10V
C613	1-161-463-00	s	CERAMIC	220pF	5%	50V

C711	1-124-584-00	s	ELECT	100	20%	10V
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CN102 1-506-748-11 s DIN 96P

D1 8-719-100-03 s 182835

DL1 1-415-538-11 s ACTIVE 100ms

FL1	1-236-004-11	s	LOW-PASS	2.5MHz
FL2	1-236-004-11	s	LOW-PASS	2.5MHz
FL3	1-236-119-11	s	BANDPASS	4.43MHz
FL4	1-236-120-11	s	BANDPASS	4.43MHz

IC1	8-759-014-29	s	MC34164M (MOTOROLA)
IC2	1-464-601-11	s	CIRCUIT UNIT, VA
IC3	8-759-009-07	s	MC14053BF (MOTOROLA)
IC4	8-759-906-59	s	CX22017 (SONY)
IC5	8-752-015-81	s	CX20158 (SONY)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

IC6	8-759-030-16	#	MC34182M (MOTOROLA)
IC10	8-759-012-02	#	MC10H124M (MOTOROLA)
IC11	8-759-012-03	#	MC10H131M (MOTOROLA)
IC12	8-759-929-73	#	SN741800NS (TI)
IC13	8-759-011-98	#	MC10H113M (MOTOROLA)
IC14	8-759-204-96	#	TC74HC04F (TOSHIBA)
IC15	8-759-007-50	#	MC74HC11F (MOTOROLA)
IC16	8-759-922-49	#	SN74LS74ANS (TI)
IC17	8-759-908-17	#	TL082CPS (TI)
IC18	8-759-206-28	#	TC74HC123F (TOSHIBA)
IC19	8-759-907-81	#	SN74LS221NS (TI)
IC20	8-759-918-71	#	CX23065 (SONY)
IC21	8-759-929-78	#	SN74LS04NS (TI)
IC22	8-759-930-56	#	SN74LS163ANS (TI)
IC24	8-759-941-27	#	MB4002PF (FUJITSU)
IC25	8-759-922-49	#	SN74LS74ANS (TI)
IC26	8-759-941-17	#	SN74LS06NS (TI)
IC27	8-759-907-81	#	SN74LS221NS (TI)
IC31	8-759-922-49	#	SN74LS74ANS (TI)
IC32	8-759-907-81	#	SN74LS221NS (TI)
IC33	8-759-907-81	#	SN74LS221NS (TI)
IC34	8-759-205-06	#	TC74HC74F (TOSHIBA)
IC35	8-759-030-16	#	MC34182M (MOTOROLA)
IC36	8-759-907-81	#	SN74LS221NS (TI)
IC37	8-759-929-99	#	SN74LS32NS (TI)
IC38	8-759-009-07	#	MC14053BF (MOTOROLA)
IC39	8-759-205-21	#	TC74HC221F (TOSHIBA)
IC50	8-759-014-29	#	MC34184M (MOTOROLA)
IC51	8-759-015-81	#	CX20158 (SONY)
IC53	8-752-015-81	#	CX20158 (SONY)
IC54	8-759-009-07	#	MC14053BF (MOTOROLA)
IC56	8-759-009-07	#	MC14053BF (MOTOROLA)
IC60	1-464-601-11	#	CIRCUIT UNIT, VA
IC70	8-759-030-16	#	MC34182M (MOTOROLA)
IC71	8-752-015-81	#	CX20158 (SONY)
IC72	8-752-015-81	#	CX20158 (SONY)
IC101	8-759-708-09	#	NJM78L09A (JRC)
IC102	8-759-700-65	#	NJM79L05A (JRC)
IC103	8-759-937-61	#	S-81230AG (SEIKO I AND E)
IC104	8-759-941-79	#	S-80230AG (SEIKO I AND E)
IC105	8-759-914-44	#	TLA31CLPB (TI)
IC106	8-759-708-05	#	NJM78L05A (JRC)
IC107	8-759-708-08	#	NJM78L08A (JRC)
IC108	8-759-700-65	#	NJM79L05A (JRC)
IC109	8-759-700-67	#	NJM79L08A (JRC)
IC110	8-759-708-05	#	NJM78L05A (JRC)
IC111	8-759-708-08	#	NJM78L08A (JRC)
IC112	8-759-700-65	#	NJM79L05A (JRC)
IC113	8-759-700-67	#	NJM79L08A (JRC)
IC114	8-759-914-44	#	TLA31CLPB (TI)
IC115	8-759-700-67	#	NJM79L08A (JRC)
IC116	8-759-708-05	#	NJM78L05A (JRC)
IC117	8-759-700-65	#	NJM79L05A (JRC)
IC201	8-759-012-02	#	MC10H124M (MOTOROLA)
IC202	8-759-012-03	#	MC10H131M (MOTOROLA)
IC203	8-759-011-98	#	MC10H113M (MOTOROLA)
IC204	8-759-918-71	#	CX23065 (SONY)
IC206	8-759-930-56	#	SN74LS163ANS (TI)
IC601	8-759-700-95	#	NJM1496M (JRC)
IC601	8-759-700-95	#	NJM1496M (JRC)

Ref.No. Parts No. SP Description

IC701	8-759-206-28	#	TC74HC123F (TOSHIBA)
IC702	8-759-902-88	#	SN74LS123NS (TI)
IC703	8-759-030-16	#	MC34182M (MOTOROLA)
IC704	8-759-922-49	#	SN74LS74ANS (TI)
IC705	8-759-030-16	#	MC34182M (MOTOROLA)
L13	1-410-478-11	#	MICRO 47
L16	1-410-478-11	#	MICRO 47
L17	1-410-478-11	#	MICRO 47
L19	1-410-478-11	#	MICRO 47
L20	1-410-470-11	#	MICRO 10
L21	1-410-470-11	#	MICRO 10
L22	1-410-478-11	#	MICRO 47
L100	1-421-329-00	#	CHOKE
L101	1-421-329-00	#	CHOKE
L102	1-421-329-00	#	CHOKE
L103	1-421-329-00	#	CHOKE
L104	1-421-329-00	#	CHOKE
L350	1-410-470-11	#	MICRO 10
L351	1-410-470-11	#	MICRO 10
L352	1-410-468-21	#	MICRO 6.8
L501	1-410-482-31	#	MICRO 100
L601	1-410-482-11	#	MICRO 100
L602	1-410-478-11	#	MICRO 47
L603	1-410-478-11	#	MICRO 47
Q1	8-729-201-27	#	28C2715-Y
Q2	8-729-312-22	#	28A1122
Q3	8-729-102-07	#	28C2223
Q4	8-729-201-27	#	28C2715-Y
Q6	8-729-201-27	#	28C2715-Y
Q7	8-729-312-22	#	28A1122
Q8	8-729-201-27	#	28C2715-Y
Q9	8-729-201-27	#	28C2715-Y
Q10	8-729-201-27	#	28C2715-Y
Q11	8-729-201-27	#	28C2715-Y
Q13	8-729-312-22	#	28A1122
Q14	8-729-312-22	#	28A1122
Q15	8-729-102-07	#	28C2223
Q16	8-729-122-63	#	28A1122
Q17	8-729-102-07	#	28C2223
Q18	8-729-201-27	#	28C2715-Y
Q25	8-729-201-27	#	28C2715-Y
Q601	8-729-201-27	#	28C2715-Y
Q602	8-729-312-22	#	28A1122
Q603	8-729-201-27	#	28C2715-Y
Q604	8-729-201-27	#	28C2715-Y
Q605	8-729-201-27	#	28C2715-Y
R3	1-216-639-11	#	METAL CHIP 330 0.50X 1/10W
R4	1-216-639-11	#	METAL CHIP 330 0.50X 1/10W
R5	1-216-659-11	#	METAL CHIP 2.2K 0.50X 1/10W
R6	1-216-654-11	#	METAL CHIP 1.3K 0.50X 1/10W
R14	1-216-687-11	#	METAL CHIP 33K 0.50X 1/10W
R15	1-216-645-11	#	METAL CHIP 560 0.50X 1/10W
R18	1-216-639-11	#	METAL CHIP 300 0.50X 1/10W
R22	1-216-644-11	#	METAL CHIP 510 0.50X 1/10W
R23	1-216-644-11	#	METAL CHIP 510 0.50X 1/10W
R27	1-216-643-11	#	METAL CHIP 470 0.50X 1/10W

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
R29	1-216-641-11	s	METAL CHIP 390 0.50% 1/10W
R30	1-216-649-11	s	METAL CHIP 820 0.50% 1/10W
R31	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R33	1-216-654-11	s	METAL CHIP 1.3k 0.50% 1/10W
R39	1-216-639-11	s	METAL CHIP 330 0.50% 1/10W
R40	1-216-639-11	s	METAL CHIP 330 0.50% 1/10W
R41	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R42	1-216-654-11	s	METAL CHIP 1.3k 0.50% 1/10W
R48	1-216-645-11	s	METAL CHIP 560 0.50% 1/10W
R49	1-216-687-11	s	METAL CHIP 33k 0.50% 1/10W
R52	1-216-687-11	s	METAL CHIP 33k 0.50% 1/10W
R53	1-216-645-11	s	METAL CHIP 560 0.50% 1/10W
R54	1-216-615-11	s	METAL CHIP 33 0.50% 1/10W
R55	1-216-627-11	s	METAL CHIP 100 0.50% 1/10W
R56	1-216-641-11	s	METAL CHIP 390 0.50% 1/10W
R57	1-216-631-11	s	METAL CHIP 150 0.50% 1/10W
R58	1-216-619-11	s	METAL CHIP 47 0.50% 1/10W
R59	1-216-611-11	s	METAL CHIP 22 0.50% 1/10W
R60	1-216-687-11	s	METAL CHIP 33k 0.50% 1/10W
R61	1-216-645-11	s	METAL CHIP 560 0.50% 1/10W
R62	1-216-627-11	s	METAL CHIP 100 0.50% 1/10W
R65	1-216-634-11	s	METAL CHIP 200 0.50% 1/10W
R70	1-247-887-11	s	CARBON 220k 5% 1/4W
R71	1-216-631-11	s	METAL CHIP 150 0.50% 1/10W
R72	1-216-631-11	s	METAL CHIP 150 0.50% 1/10W
R73	1-216-641-11	s	METAL CHIP 390 0.50% 1/10W
R74	1-216-619-11	s	METAL CHIP 47 0.50% 1/10W
R75	1-216-611-11	s	METAL CHIP 22 0.50% 1/10W
R77	1-216-631-11	s	METAL CHIP 150 0.50% 1/10W
R86	1-216-647-11	s	METAL CHIP 680 0.50% 1/10W
R87	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R96	1-216-639-11	s	METAL CHIP 330 0.50% 1/10W
R97	1-216-645-11	s	METAL CHIP 560 0.50% 1/10W
R98	1-216-639-11	s	METAL CHIP 330 0.50% 1/10W
R99	1-216-645-11	s	METAL CHIP 560 0.50% 1/10W
R100	1-216-655-11	s	METAL CHIP 1.5k 0.50% 1/10W
R101	1-216-638-11	s	METAL CHIP 300 0.50% 1/10W
R102	1-216-665-11	s	METAL CHIP 3.9k 0.50% 1/10W
R103	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R104	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R105	1-216-681-11	s	METAL CHIP 18k 0.50% 1/10W
R106	1-216-685-11	s	METAL CHIP 27k 0.50% 1/10W
R107	1-216-660-11	s	METAL CHIP 2.4k 0.50% 1/10W
R108	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R119	1-216-669-11	s	METAL CHIP 5.6k 0.50% 1/10W
R120	1-216-669-11	s	METAL CHIP 5.6k 0.50% 1/10W
R121	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R122	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
R123	1-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W
R124	1-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W
R125	1-216-663-11	s	METAL CHIP 3.3k 0.50% 1/10W
R127	1-216-692-11	s	METAL CHIP 51k 0.50% 1/10W
R128	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R129	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R156	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
R157	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
R158	1-216-679-11	s	METAL CHIP 8.2k 0.50% 1/10W
R162	1-216-693-11	s	METAL CHIP 56k 0.50% 1/10W
R163	1-216-682-11	s	METAL CHIP 20k 0.50% 1/10W
R164	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W

Ref.No.	Parts No.	SP	Description
R167	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R168	1-216-699-11	s	METAL CHIP 100k 0.50% 1/10W
R170	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
R172	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R180	1-216-687-11	s	METAL CHIP 33k 0.50% 1/10W
R181	1-216-645-11	s	METAL CHIP 560 0.50% 1/10W
R182	1-216-627-11	s	METAL CHIP 100 0.50% 1/10W
R183	1-216-627-11	s	METAL CHIP 100 0.50% 1/10W
R187	1-216-611-11	s	METAL CHIP 22 0.50% 1/10W
R188	1-216-619-11	s	METAL CHIP 47 0.50% 1/10W
R189	1-216-638-11	s	METAL CHIP 300 0.50% 1/10W
R190	1-216-638-11	s	METAL CHIP 300 0.50% 1/10W
R191	1-216-649-11	s	METAL CHIP 820 0.50% 1/10W
R192	1-216-619-11	s	METAL CHIP 47 0.50% 1/10W
R193	1-216-611-11	s	METAL CHIP 22 0.50% 1/10W
R195	1-216-649-11	s	METAL CHIP 820 0.50% 1/10W
R196	1-216-649-11	s	METAL CHIP 820 0.50% 1/10W
R210	1-216-649-11	s	METAL CHIP 820 0.50% 1/10W
R211	1-216-649-11	s	METAL CHIP 820 0.50% 1/10W
R212	1-216-629-11	s	METAL CHIP 120 0.50% 1/10W
R213	1-216-629-11	s	METAL CHIP 120 0.50% 1/10W
R232	1-216-669-11	s	METAL CHIP 5.6k 0.50% 1/10W
R233	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
R234	1-216-657-11	s	METAL CHIP 1.8k 0.50% 1/10W
R235	1-216-665-11	s	METAL CHIP 3.9k 0.50% 1/10W
R236	1-216-668-11	s	METAL CHIP 5.1k 0.50% 1/10W
R237	1-216-683-11	s	METAL CHIP 22k 0.50% 1/10W
R238	1-216-643-11	s	METAL CHIP 470 0.50% 1/10W
R239	1-216-667-11	s	METAL CHIP 4.7k 0.50% 1/10W
R244	1-216-692-11	s	METAL CHIP 51k 0.50% 1/10W
R350	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R351	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R352	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R353	1-216-649-11	s	METAL CHIP 820 0.50% 1/10W
R354	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R355	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R356	1-216-649-11	s	METAL CHIP 820 0.50% 1/10W
R357	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R358	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R360	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R501	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R503	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R505	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R508	1-216-627-11	s	METAL CHIP 100 0.50% 1/10W
R509	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R510	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W
R511	1-216-627-11	s	METAL CHIP 100 0.50% 1/10W
R512	1-216-671-11	s	METAL CHIP 6.8k 0.50% 1/10W
R513	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R514	1-216-659-11	s	METAL CHIP 2.2k 0.50% 1/10W
R522	1-216-649-11	s	METAL CHIP 820 0.50% 1/10W
R523	1-216-649-11	s	METAL CHIP 820 0.50% 1/10W
R524	1-216-629-11	s	METAL CHIP 120 0.50% 1/10W
R525	1-216-629-11	s	METAL CHIP 120 0.50% 1/10W
R601	1-216-679-11	s	METAL CHIP 15k 0.50% 1/10W
R603	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R604	1-216-665-11	s	METAL CHIP 3.9k 0.50% 1/10W
R605	1-216-651-11	s	METAL CHIP 1k 0.50% 1/10W
R608	1-216-627-11	s	METAL CHIP 100 0.50% 1/10W
R609	1-216-675-11	s	METAL CHIP 10k 0.50% 1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

EN-48P, EQ-26

Ref.No.	Parts No.	SP	Description		
R610	1-216-675-11	■	METAL CHIP 10k	0.50X	1/10W
R611	1-216-627-11	■	METAL CHIP 100	0.50X	1/10W
R612	1-216-671-11	■	METAL CHIP 6.8k	0.50X	1/10W
R613	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R614	1-216-659-11	■	METAL CHIP 2.2k	0.50X	1/10W
R615	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R617	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R619	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R620	1-216-671-11	■	METAL CHIP 6.8k	0.50X	1/10W
R621	1-216-634-11	■	METAL CHIP 200	0.50X	1/10W
R622	1-216-666-11	■	METAL CHIP 4.3k	0.50X	1/10W
R701	1-216-675-11	■	METAL CHIP 10k	0.50X	1/10W
R702	1-216-675-11	■	METAL CHIP 10k	0.50X	1/10W
R703	1-216-661-11	■	METAL CHIP 2.7k	0.50X	1/10W
R704	1-216-655-11	■	METAL CHIP 1.5k	0.50X	1/10W
R705	1-216-685-11	■	METAL CHIP 27k	0.50X	1/10W
R706	1-216-647-11	■	METAL CHIP 680	0.50X	1/10W
R707	1-216-679-11	■	METAL CHIP 15k	0.50X	1/10W
R708	1-216-643-11	■	METAL CHIP 470	0.50X	1/10W
R709	1-216-661-11	■	METAL CHIP 2.7k	0.50X	1/10W
R710	1-216-667-11	■	METAL CHIP 4.7k	0.50X	1/10W
R711	1-216-683-11	■	METAL CHIP 22k	0.50X	1/10W
R712	1-216-651-11	■	METAL CHIP 1k	0.50X	1/10W
R713	1-216-679-11	■	METAL CHIP 15k	0.50X	1/10W
R714	1-216-643-11	■	METAL CHIP 470	0.50X	1/10W
R719	1-216-667-11	■	METAL CHIP 4.7k	0.50X	1/10W
R721	1-216-681-11	■	METAL CHIP 18k	0.50X	1/10W
R722	1-216-655-11	■	METAL CHIP 1.5k	0.50X	1/10W
R723	1-216-679-11	■	METAL CHIP 15k	0.50X	1/10W
R724	1-216-643-11	■	METAL CHIP 470	0.50X	1/10W
RV1	1-237-512-21	■	VAR, CERMET	100	
RV2	1-237-503-21	■	VAR, CERMET	10k	
RV4	1-237-514-21	■	VAR, CERMET	500	
RV6	1-237-503-21	■	VAR, CERMET	10k	
RV7	1-237-514-21	■	VAR, CERMET	500	
RV12	1-237-515-21	■	VAR, CERMET	1k	
RV13	1-237-518-21	■	VAR, CERMET	10k	
RV14	1-237-514-21	■	VAR, CERMET	500	
RV17	1-237-518-21	■	VAR, CERMET	10k	
RV19	1-237-517-21	■	VAR, CERMET	5k	
RV20	1-237-516-21	■	VAR, CERMET	2k	
RV21	1-237-518-21	■	VAR, CERMET	10k	
RV22	1-237-517-21	■	VAR, CERMET	5k	
RV25	1-237-518-21	■	VAR, CERMET	10k	
RV26	1-237-520-21	■	VAR, CERMET	50k	
RV27	1-237-518-21	■	VAR, CERMET	10k	
RV28	1-237-517-21	■	VAR, CERMET	5k	
RV30	1-237-503-21	■	VAR, CERMET	10k	
RV31	1-237-530-21	■	VAR, CERMET	10k	
RV33	1-237-512-21	■	VAR, CERMET	100	
RV34	1-237-512-21	■	VAR, CERMET	100	
RV35	1-230-838-11	■	VAR, METAL FILM	200	
RV36	1-230-838-11	■	VAR, METAL FILM	200	
RV40	1-237-503-21	■	VAR, CERMET	10k	
RV41	1-230-838-11	■	VAR, METAL FILM	200	
RV42	1-230-838-11	■	VAR, METAL FILM	200	
RV203	1-237-501-21	■	VAR, CERMET	2k	
RV501	1-237-518-21	■	VAR, CERMET	10k	
RV502	1-237-517-21	■	VAR, CERMET	50k	
RV602	1-237-505-21	■	VAR, CERMET	50k	

Ref.No.	Parts No.	SP	Description	
RV603	1-237-514-21	■	VAR, CERMET	500
RV701	1-237-517-21	■	VAR, CERMET	5k
RV702	1-237-517-21	■	VAR, CERMET	5k
RV703	1-237-517-21	■	VAR, CERMET	5k

S1	1-571-259-11	■	SLIDE
S2	1-571-259-11	■	SLIDE

TH1	1-800-202-XX	■	S-10K
TH2	1-800-202-XX	■	S-10K
TH201	1-800-202-XX	■	S-10K

X1	1-567-891-11	■	17.734475MHz
X201	1-567-891-11	■	17.734475MHz

2) EQ-26 BOARD

All the component parts on the EQ-26 board are supplied together when you order the DM-56P board.

1-628-676-11 ○ PRINTED CIRCUIT BOARD, EQ-26

CN1	1-566-473-11	○	PIN, SOCKET 1P
CN2	1-566-473-11	○	PIN, SOCKET 1P
CN3	1-566-473-11	○	PIN, SOCKET 1P
CN4	1-566-473-11	○	PIN, SOCKET 1P
CN5	1-566-473-11	○	PIN, SOCKET 1P
CN6	1-566-473-11	○	PIN, SOCKET 1P
6) CN7	1-566-473-11	○	PIN, SOCKET 1P
6) CN8	1-566-473-11	○	PIN, SOCKET 1P
Q1	8-729-102-08	■	2SC2223-F14
Q2	8-729-102-08	■	2SC2223-F14
Q3	8-729-102-08	■	2SC2223-F14
Q4	8-729-102-08	■	2SC2223-F14
Q5	8-729-102-08	■	2SC2223-F14
Q6	8-729-102-08	■	2SC2223-F14
Q7	8-729-102-08	■	2SC2223-F14
Q8	8-729-102-08	■	2SC2223-F14

RV1	1-228-457-00	■	VAR, CERMET 2k
RV2	1-228-457-00	■	VAR, CERMET 2k
RV3	1-228-457-00	■	VAR, CERMET 2k
RV4	1-228-457-00	■	VAR, CERMET 2k
RV5	1-228-457-00	■	VAR, CERMET 2k
RV6	1-228-457-00	■	VAR, CERMET 2k
RV7	1-228-457-00	■	VAR, CERMET 2k
RV8	1-228-457-00	■	VAR, CERMET 2k

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

EQ-28 BOARD

All the component parts on the EQ-28 board are supplied together when you order the DM-56F board.

1-628-975-11 = PRINTED CIRCUIT BOARD, EQ-28

CN1 1-566-473-11 o PIN, SOCKET 1P
 CN2 1-566-473-11 o PIN, SOCKET 1P
 CN3 1-566-473-11 o PIN, SOCKET 1P
 CN4 1-566-473-11 o PIN, SOCKET 1P
 CN5 1-566-473-11 o PIN, SOCKET 1P
 CN6 1-566-473-11 o PIN, SOCKET 1P
 6) CN7 1-566-473-11 o PIN, SOCKET 1P
 6) CN8 1-566-473-11 o PIN, SOCKET 1P

Q1 8-729-102-08 = 2SC2223-F14
 Q2 8-729-102-08 = 2SC2223-F14
 Q3 8-729-102-08 = 2SC2223-F14
 Q4 8-729-102-08 = 2SC2223-F14
 Q5 8-729-102-08 = 2SC2223-F14
 Q6 8-729-102-08 = 2SC2223-F14
 Q7 8-729-102-08 = 2SC2223-F14
 Q8 8-729-102-08 = 2SC2223-F14

RV1 1-228-457-00 = VAR, CERMET 2k
 RV2 1-228-457-00 = VAR, CERMET 2k
 RV3 1-228-457-00 = VAR, CERMET 2k
 RV4 1-228-457-00 = VAR, CERMET 2k
 RV5 1-228-457-00 = VAR, CERMET 2k
 RV6 1-228-457-00 = VAR, CERMET 2k
 RV7 1-228-457-00 = VAR, CERMET 2k
 RV8 1-228-457-00 = VAR, CERMET 2k

EX-116 BOARD

A-6729-474-A = MOUNTED CIRCUIT BOARD, EX-116

CN1 1-506-748-11 o DIN 96P
 CN2 1-506-748-11 o DIN 96P
 CN3 1-563-341-11 o HOUSING, DIN 96P
 CN4 1-563-341-11 o HOUSING, DIN 96P

EX-134 BOARD

A-6729-475-A = MOUNTED CIRCUIT BOARD, EX-134

CN1 1-506-748-11 o DIN 96P
 CN2 1-563-341-11 o HOUSING, DIN 96P

Ref.No. Parts No. SP Description

EX-151 BOARD

A-6729-476-A = MOUNTED CIRCUIT BOARD, EX-151

CN1 1-506-748-11 o DIN 96P
 CN2 1-506-746-11 o DIN 48P
 CN3 1-563-341-11 o HOUSING, DIN 96P
 1-563-339-11 o HOUSING, DIN 48P

FL-61 BOARD

All the component parts on the FL-61 board are supplied together when you order the AFM-1 board.

1-624-393-11 o PRINTED CIRCUIT BOARD, FL-61

CN101 1-564-983-11 = 8P
 CN102 1-506-653-11 = 5P

FL109 1-236-122-11 = LOW-PASS 25kHz

R101 1-216-658-11 = METAL CHIP 2k 0.50% 1/10W
 R102 1-216-658-11 = METAL CHIP 2k 0.50% 1/10W

HC-11 BOARD

1-622-595-11 = PRINTED CIRCUIT BOARD, HC-11

CP1 1-548-152-11 o HOURS METER

HP-33 BOARD

1-622-590-13 o PRINTED CIRCUIT BOARD, HP-33

C2 1-124-236-00 = ELECT 47 20% 16V
 C3 1-124-236-00 = ELECT 47 20% 16V

IC1 8-759-745-56 = NJM4556D (JRC)
 IC2 8-759-900-72 = NE5532P (SIGNETICS)

J1 1-507-863-31 = LARGE TYPE

R6 1-247-739-11 = CARBON 100 5% 1/2W
 R10 1-247-739-11 = CARBON 100 5% 1/2W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

KY-96 BOARD

All the component parts on the KY-96 board are supplied together when you order the key chassis ass'y.

C1	1-124-252-00	■	ELECT	0.33	20X	50V
C2	1-124-252-00	■	ELECT	0.33	20X	50V
C13	1-124-462-00	■	ELECT	10	20X	16V
C20	1-124-462-00	■	ELECT	10	20X	16V
C21	1-124-462-00	■	ELECT	10	20X	16V
C22	1-124-462-00	■	ELECT	10	20X	16V
C23	1-124-462-00	■	ELECT	10	20X	16V
C24	1-124-462-00	■	ELECT	10	20X	16V
C25	1-124-462-00	■	ELECT	10	20X	16V
C26	1-124-462-00	■	ELECT	10	20X	16V
C27	1-124-462-00	■	ELECT	10	20X	16V
C28	1-124-462-00	■	ELECT	10	20X	16V
C29	1-124-462-00	■	ELECT	10	20X	16V
C30	1-124-462-00	■	ELECT	10	20X	16V
C31	1-124-462-00	■	ELECT	10	20X	16V
C32	1-124-462-00	■	ELECT	10	20X	16V
C33	1-124-462-00	■	ELECT	10	20X	16V
C34	1-124-462-00	■	ELECT	10	20X	16V
C35	1-124-462-00	■	ELECT	10	20X	16V
C36	1-124-462-00	■	ELECT	10	20X	16V
C37	1-124-462-00	■	ELECT	10	20X	16V
C38	1-124-462-00	■	ELECT	10	20X	16V
C39	1-124-462-00	■	ELECT	10	20X	16V
CA0	1-124-462-00	■	ELECT	10	20X	16V
C41	1-124-462-00	■	ELECT	10	20X	16V
C42	1-124-462-00	■	ELECT	10	20X	16V
C43	1-124-462-00	■	ELECT	10	20X	16V
C44	1-124-252-00	■	ELECT	0.33	20X	50V
C46	1-124-462-00	■	ELECT	10	20X	16V
D1	8-719-911-19	■	ISS119			
D2	8-719-911-19	■	ISS119			
D3	8-719-911-19	■	ISS119			
D4	8-719-109-51	■	RD2.0ES-R2			
D5	8-719-109-51	■	RD2.0ES-R2			
D6	8-719-109-51	■	RD2.0ES-R2			
D7	8-719-109-51	■	RD2.0ES-R2			
D8	8-719-109-51	■	RD2.0ES-R2			
D9	8-719-109-51	■	RD2.0ES-R2			
D10	8-719-109-51	■	RD2.0ES-R2			
D11	8-719-911-19	■	ISS119			
D12	8-719-911-19	■	ISS119			
D13	8-719-911-19	■	ISS119			
D14	8-719-911-19	■	ISS119			
D15	8-719-911-19	■	ISS119			
D16	8-719-911-19	■	ISS119			
D17	8-719-911-19	■	ISS119			
D18	8-719-911-19	■	ISS119			
D19	8-719-911-19	■	ISS119			
D20	8-719-911-19	■	ISS119			
D21	8-719-911-19	■	ISS119			
D22	8-719-911-19	■	ISS119			
D23	8-719-911-19	■	ISS119			
D24	8-719-911-19	■	ISS119			
D25	8-719-911-19	■	ISS119			

Ref.No. Parts No. SP Description

D26	8-719-911-19	■	ISS119			
D27	8-719-911-19	■	ISS119			
D28	8-719-911-19	■	ISS119			
D29	8-719-911-19	■	ISS119			
D30	8-719-911-19	■	ISS119			
D31	8-719-911-19	■	ISS119			
D32	8-719-911-19	■	ISS119			
D33	8-719-911-19	■	ISS119			
D34	8-719-911-19	■	ISS119			
D35	8-719-911-19	■	ISS119			
D36	8-719-911-19	■	ISS119			
D37	8-719-911-19	■	ISS119			
D38	8-719-911-19	■	ISS119			
D39	8-719-911-19	■	ISS119			
D40	8-719-911-19	■	ISS119			
D41	8-719-911-19	■	ISS119			
D42	8-719-911-19	■	ISS119			
D43	8-719-911-19	■	ISS119			
D44	8-719-911-19	■	ISS119			
D45	8-719-911-19	■	ISS119			
D46	8-719-911-19	■	ISS119			
D47	8-719-911-19	■	ISS119			
D48	8-719-911-19	■	ISS119			
D49	8-719-802-11	■	TLUG154			
D50	8-719-939-39	■	GL-5HD5			
D51	8-719-939-39	■	GL-5HD5			
D52	8-719-939-39	■	GL-5HD5			
D53	8-719-939-39	■	GL-5HD5			
D55	8-719-939-39	■	GL-5HD5			
D56	8-719-939-39	■	GL-5HD5			
D57	8-719-802-11	■	TLUG154			
D58	8-719-939-39	■	GL-5HD5			
D59	8-719-802-11	■	TLUG154			
IC1	8-759-602-78	■	M5236L (MITSUBISHI)			
IC2	8-759-708-05	■	NJM78L05A (JRC)			
IC3	8-759-937-29	■	MB88201H-539N (FUJITSU)			
IC4	8-759-605-23	■	M507478-601SP (MITSUBISHI)			
IC5	8-759-645-16	■	M54516P (MITSUBISHI)			
IC6	8-759-645-16	■	M54516P (MITSUBISHI)			
IC7	8-759-645-16	■	M54516P (MITSUBISHI)			
IC8	8-759-708-05	■	NJM78L05A (JRC)			
L1	1-407-488-00	■	MICRO 470			
L2	1-407-488-00	■	MICRO 470			
Q1	8-729-205-32	■	28B553-Y			
Q2	8-729-275-42	■	28C2754			
Q3	8-729-275-42	■	28C2754			
Q4	8-729-904-51	■	DTB123EK			
Q5	8-729-904-51	■	DTB123EK			
Q6	8-729-904-51	■	DTB123EK			
Q7	8-729-904-51	■	DTB123EK			
Q8	8-729-904-51	■	DTB123EK			
Q9	8-729-904-51	■	DTB123EK			
Q10	8-729-904-51	■	DTB123EK			

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q12 8-729-982-23 s 2SB822
 Q13 8-729-982-23 s 2SB822
 Q14 8-729-982-23 s 2SB822
 Q15 8-729-982-23 s 2SB822
 Q16 8-729-982-23 s 2SB822

Q17 8-729-982-23 s 2SB822
 Q18 8-729-982-23 s 2SB822
 Q19 8-729-982-23 s 2SB822
 Q20 8-729-900-67 s DTA124XS
 Q21 8-729-900-67 s DTA124XS

Q22 8-729-900-67 s DTA124XS
 Q23 8-729-900-67 s DTA124XS
 Q24 8-729-900-67 s DTA124XS
 Q25 8-729-900-67 s DTA124XS
 Q26 8-729-900-67 s DTA124XS

Q27 8-729-900-67 s DTA124XS
 Q28 8-729-900-67 s DTA124XS
 Q29 8-729-900-67 s DTA124XS
 Q30 8-729-900-67 s DTA124XS
 Q31 8-729-900-67 s DTA124XS

Q32 8-729-900-67 s DTA124XS
 Q33 8-729-900-67 s DTA124XS
 Q34 8-729-199-92 s 2SD999
 Q35 8-729-900-51 s DTA114TK
 Q36 8-729-199-92 s 2SD999

Q37 8-729-900-51 s DTA114TK
 Q38 8-729-199-92 s 2SD999
 Q39 8-729-900-51 s DTA114TK
 Q40 8-729-199-92 s 2SD999
 Q41 8-729-900-51 s DTA114TK

Q42 8-729-199-92 s 2SD999
 Q43 8-729-900-51 s DTA114TK
 Q44 8-729-199-92 s 2SD999
 Q45 8-729-900-51 s DTA114TK
 Q46 8-729-199-92 s 2SD999

Q47 8-729-900-51 s DTA114TK
 Q48 8-729-199-92 s 2SD999
 Q49 8-729-900-51 s DTA114TK
 Q50 8-729-199-92 s 2SD999
 Q51 8-729-900-51 s DTA114TK

Q52 8-729-199-92 s 2SD999
 Q53 8-729-900-51 s DTA114TK
 Q54 8-729-199-92 s 2SD999
 Q55 8-729-900-51 s DTA114TK
 Q56 8-729-199-92 s 2SD999

Q57 8-729-900-51 s DTA114TK
 Q58 8-729-199-92 s 2SD999
 Q59 8-729-900-51 s DTA114TK
 Q60 8-729-199-92 s 2SD999
 Q61 8-729-900-51 s DTA114TK

Q62 8-729-199-92 s 2SD999
 Q63 8-729-900-51 s DTA114TK
 Q64 8-729-199-92 s 2SD999
 Q65 8-729-900-51 s DTA114TK
 Q66 8-729-199-92 s 2SD999

Q67 8-729-900-51 s DTA114TK
 Q68 8-729-199-92 s 2SD999
 Q69 8-729-900-51 s DTA114TK
 Q70 8-729-199-92 s 2SD999
 Q71 8-729-900-51 s DTA114TK

Ref.No. Parts No. SP Description

Q72 8-729-199-92 s 2SD999
 Q73 8-729-900-51 s DTA114TK
 Q74 8-729-199-92 s 2SD999
 Q75 8-729-900-51 s DTA114TK
 Q76 8-729-199-92 s 2SD999

Q77 8-729-900-51 s DTA114TK
 Q78 8-729-199-92 s 2SD999
 Q79 8-729-900-51 s DTA114TK
 Q80 8-729-199-92 s 2SD999
 Q81 8-729-600-27 s 2SC634SP

Q82 8-729-600-27 s 2SC634SP
 Q83 8-729-900-51 s DTA114TK
 Q84 8-729-199-92 s 2SD999

R52 1-247-700-11 s CARBON 100 5X 1/4W
 R53 1-247-700-11 s CARBON 100 5X 1/4W
 R54 1-247-700-11 s CARBON 100 5X 1/4W
 R55 1-247-700-11 s CARBON 100 5X 1/4W
 R56 1-247-700-11 s CARBON 100 5X 1/4W

R57 1-247-700-11 s CARBON 100 5X 1/4W
 R58 1-247-700-11 s CARBON 100 5X 1/4W
 R59 1-247-700-11 s CARBON 100 5X 1/4W
 R70 1-247-700-11 s CARBON 100 5X 1/4W
 R71 1-247-700-11 s CARBON 100 5X 1/4W

R110 1-247-702-11 s CARBON 150 5X 1/4W
 R113 1-247-702-11 s CARBON 150 5X 1/4W
 R116 1-247-702-11 s CARBON 150 5X 1/4W
 R119 1-247-702-11 s CARBON 150 5X 1/4W
 R122 1-247-702-11 s CARBON 150 5X 1/4W

R141 1-247-702-11 s CARBON 150 5X 1/4W
 R144 1-247-702-11 s CARBON 150 5X 1/4W
 R147 1-247-702-11 s CARBON 150 5X 1/4W
 R150 1-247-702-11 s CARBON 150 5X 1/4W
 R153 1-247-702-11 s CARBON 150 5X 1/4W

R156 1-247-702-11 s CARBON 150 5X 1/4W

S1 1-571-169-11 s TACTIL
 S2 1-571-169-21 s TACTIL
 S3 1-571-167-41 s TACTIL
 S4 1-571-167-31 s TACTIL
 S5 1-571-167-21 s TACTIL

S6 1-571-167-11 s TACTIL
 S7 1-571-167-11 s TACTIL
 S8 1-571-168-21 s TACTIL
 S9 1-571-167-11 s TACTIL
 S10 1-571-280-11 s TACTIL

S11 1-571-280-11 s TACTIL
 S12 1-571-280-11 s TACTIL
 S13 1-571-280-11 s TACTIL
 S14 1-571-280-11 s TACTIL
 S15 1-571-280-11 s TACTIL

S16 1-571-167-11 s TACTIL
 S17 1-571-167-11 s TACTIL
 S18 1-571-168-11 s TACTIL
 S19 1-571-167-11 s TACTIL
 S20 1-516-995-00 s LEVER SLIDE

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

S21 1-571-280-11 s TACTIL
S22 1-571-280-11 s TACTIL
S23 1-571-280-11 s TACTIL
S24 1-571-280-11 s TACTIL
S25 1-571-280-11 s TACTIL

S26 1-516-995-00 s LEVER SLIDE
S27 1-516-961-00 s LEVER SLIDE
S28 1-516-961-00 s LEVER SLIDE

X1 1-567-869-11 s VIBRATOR 9.83MHz
X2 1-567-192-11 s OSCILLATOR 4.00MHz

KY-107 BOARD

All the component parts on the KY-107 board are supplied together when you order the key chassis ass'y.

1-622-554-11 s PRINTED CIRCUIT BOARD, KY-107

CN4 1-535-698-11 o WIRE, JUMPER

S32 1-552-539-00 s KEY BOARD
S33 1-552-539-00 s KEY BOARD
S34 1-552-539-00 s KEY BOARD

KY-108 BOARD

All the component parts on the KY-108 board are supplied together when you order the key chassis ass'y.

1-622-555-11 s PRINTED CIRCUIT BOARD, KY-108

CN5 1-535-689-11 s WIRE, JUMPER
CN6 1-535-697-11 s WIRE, JUMPER

D54 8-719-800-94 s TLDR144

S35 1-552-539-00 s KEY BOARD
S36 1-552-539-00 s KEY BOARD
S37 1-552-539-00 s KEY BOARD
S38 1-552-539-00 s KEY BOARD

Ref.No. Parts No. SP Description

MB-191 BOARD

7) A-6725-583-A o MOUNTED CIRCUIT BOARD, MB-191
8) A-6725-583-B s MOUNTED CIRCUIT BOARD, MB-191
1-562-210-11 s CONTACT

CN101 1-565-910-11 s HOUSING 96P
CN102 1-565-910-11 s HOUSING 96P
CN103 1-565-910-11 s HOUSING 96P
CN104 1-565-910-11 s HOUSING 96P
CN105 1-565-910-11 s HOUSING 96P

CN106 1-565-909-11 s HOUSING 48P
CN107 1-565-910-11 s HOUSING 96P
CN108 1-565-909-11 s HOUSING 48P
CN109 1-565-910-11 s HOUSING 96P
CN110 1-565-909-11 s HOUSING 48P

CN111 1-565-910-11 s HOUSING 96P
CN112 1-565-909-11 s HOUSING 48P
CN113 1-565-910-11 s HOUSING 96P
CN123 1-566-342-11 s 30P
CN125 1-566-394-21 o 8P

CN130 1-564-683-11 o 13P
CN137 1-566-402-21 s 24P
CN202 1-565-910-11 s HOUSING 96P
CN203 1-565-910-11 s HOUSING 96P
CN204 1-565-910-11 s HOUSING 96P

CN205 1-565-910-11 s HOUSING 96P
CN206 1-565-910-11 s HOUSING 96P
CN207 1-565-910-11 s HOUSING 96P
CN208 1-565-910-11 s HOUSING 96P
CN209 1-565-910-11 s HOUSING 96P

CN210 1-565-910-11 s HOUSING 96P
CN211 1-566-312-11 s 50P
CN212 1-566-312-11 s 50P
CN213 1-564-199-00 o 6P
CN214 1-564-201-00 o 10P

CN215 1-566-405-11 o 30P
CN225 1-566-405-11 o 30P
CN236 1-566-396-21 o 12P
CN237 1-566-405-21 o 30P
CN431 1-562-833-11 o 7P

CN432 1-562-800-11 o 9P

MB-192 BOARD

A-6725-584-A o MOUNTED CIRCUIT BOARD, MB-192

CN301 1-563-337-11 s HOUSING 96P
CN302 1-563-337-11 s HOUSING 96P
CN303 1-563-337-11 s HOUSING 96P
CN304 1-563-337-11 s HOUSING 96P
CN306 1-566-343-11 o 40P

CN307 1-566-496-11 o 50P
CN308 1-566-496-11 o 50P
CN310 1-566-311-11 s 10P
CN316 1-508-906-00 o 10P

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

MD-46F BOARD

This board includes the DUS-272PF and DUS-272PC boards.

A-6711-893-A o MOUNTED CIRCUIT BOARD, MD-46F

C7	1-124-363-91	o	ELECT	330		10V
C8	1-163-270-00	o	CERAMIC CHIP	620pF	5X	50V
C10	1-124-462-00	o	ELECT	10	20X	16V
C14	1-124-224-00	o	ELECT	47	20X	6.3V
C22	1-163-103-00	o	CERAMIC CHIP	27pF	5X	50V

C45	1-124-224-00	o	ELECT	47	20X	6.3V
C54	1-163-104-00	o	CERAMIC CHIP	30pF	5X	50V
C89	1-124-363-91	o	ELECT	330		10V
C100	1-124-224-00	o	ELECT	47	20X	6.3V
C135	1-163-104-00	o	CERAMIC CHIP	30pF	5X	50V

C136	1-124-224-00	o	ELECT	47	20X	6.3V
C200	1-124-224-00	o	ELECT	47	20X	6.3V
C206	1-124-471-00	o	ELECT	1000	20X	6.3V
C207	1-124-471-00	o	ELECT	1000	20X	6.3V
C209	1-126-103-11	o	ELECT	470	20X	16V

C214	1-126-103-11	o	ELECT	470	20X	16V
C223	1-124-638-11	o	ELECT	22	20X	10V
C231	1-124-638-11	o	ELECT	22	20X	10V
C259	1-163-245-00	o	CERAMIC CHIP	56pF	5X	50V
C260	1-163-242-00	o	CERAMIC CHIP	43pF	5X	50V

C262	1-163-233-00	o	CERAMIC CHIP	18pF	5X	50V
C263	1-163-233-00	o	CERAMIC CHIP	18pF	5X	50V
C279	1-163-233-00	o	CERAMIC CHIP	18pF	5X	50V
C280	1-163-233-00	o	CERAMIC CHIP	18pF	5X	50V
C287	1-163-232-00	o	CERAMIC CHIP	16pF	5X	50V

C296	1-162-890-21	o	CERAMIC	820pF	5X	50V
C301	1-162-890-21	o	CERAMIC	820pF	5X	50V
C303	1-130-471-00	o	MYLAR	0.001	5X	50V
C305	1-124-224-00	o	ELECT	47	20X	6.3V
C306	1-123-661-00	o	ELECT	100	20X	6.3V

C308	1-123-661-00	o	ELECT	100	20X	6.3V
C501	1-162-890-21	o	CERAMIC	820pF	5X	50V

CN104 1-506-748-11 o DIN 96F

CV506	1-141-272-21	o	TRIMMER, CERMIC	30pF		
CV507	1-141-272-21	o	TRIMMER, CERMIC	30pF		

D1	8-719-110-03	o	RD7.5ES-B2			
D2	8-719-101-23	o	1S5123			
D4	8-719-101-23	o	1S5123			
D5	8-719-101-23	o	1S5123			
D6	8-719-101-23	o	1S5123			
D7	8-719-101-23	o	1S5123			
D9	8-719-101-23	o	1S5123			

FB1	1-535-178-00	o	FERRITE BEAD			
FB2	1-535-178-00	o	FERRITE BEAD			
FB3	1-535-178-00	o	FERRITE BEAD			
FB4	1-535-178-00	o	FERRITE BEAD			
FB100	1-535-178-00	o	FERRITE BEAD			

Ref.No. Parts No. SP Description

FB101	1-535-178-00	o	FERRITE BEAD			
FB102	1-535-178-00	o	FERRITE BEAD			
FB103	1-535-178-00	o	FERRITE BEAD			

FL1	1-236-067-11	o	FILTER			
FL2	1-236-068-11	o	FILTER			
FL3	1-236-006-13	o	LOW-PASS 7.0MHz			
FL4	1-236-006-13	o	LOW-PASS 7.0MHz			

IC1	8-752-030-81	o	CXA1040M (SONY)			
IC3	8-752-030-82	o	CXA1041M (SONY)			
IC4	8-752-015-81	o	CX20158 (SONY)			
IC6	8-759-907-81	o	SN74LS221NS (TI)			
IC7	8-752-030-81	o	CXA1040M (SONY)			

IC9	8-752-030-82	o	CXA1041M (SONY)			
IC13	8-759-907-81	o	SN74LS221NS (TI)			
IC14	8-759-700-14	o	NJM78M05A (JRC)			
IC15	8-759-700-11	o	NJM78M05A (JRC)			
IC16	8-759-179-05	o	uPC7905H (NEC)			

IC18	8-759-204-94	o	TC74HC00F (TOSHIBA)			
IC20	8-759-204-98	o	TC74HC00F (TOSHIBA)			
IC21	8-752-015-81	o	CX20158 (SONY)			
IC22	8-752-015-81	o	CX20158 (SONY)			
IC25	8-759-914-44	o	TLA31CLPB (TI)			

IC26	8-759-914-44	o	TLA31CLPB (TI)			
IC27	8-759-914-44	o	TLA31CLPB (TI)			
IC28	8-759-914-44	o	TLA31CLPB (TI)			
IC30	8-759-914-44	o	TLA31CLPB (TI)			
IC31	8-759-914-44	o	TLA31CLPB (TI)			

IC32	8-752-006-10	o	CX20061 (SONY)			
IC33	8-752-006-10	o	CX20061 (SONY)			
IC34	8-752-006-10	o	CX20061 (SONY)			
IC35	8-752-006-10	o	CX20061 (SONY)			
IC36	8-759-012-84	o	MCI4557BF (MOTOROLA)			

IC37	8-759-907-81	o	SN74LS221NS (TI)			
IC38	8-759-907-81	o	SN74LS221NS (TI)			
IC39	8-759-907-81	o	SN74LS221NS (TI)			

L2	1-410-482-31	o	MICRO 100			
L3	1-410-482-31	o	MICRO 100			
L4	1-410-482-31	o	MICRO 100			
L5	1-410-482-31	o	MICRO 100			
L6	1-410-482-31	o	MICRO 100			

L7	1-410-482-31	o	MICRO 100			
L9	1-410-482-31	o	MICRO 100			
L10	1-410-482-31	o	MICRO 100			
L12	1-410-478-11	o	MICRO 47			
L13	1-410-478-11	o	MICRO 47			

L17	1-410-482-31	o	MICRO 100			
L19	1-410-482-31	o	MICRO 100			
L20	1-410-482-31	o	MICRO 100			
L21	1-410-482-31	o	MICRO 100			
L22	1-410-482-31	o	MICRO 100			

L23	1-410-482-31	o	MICRO 100			
L24	1-410-482-31	o	MICRO 100			
L26	1-410-482-31	o	MICRO 100			
L27	1-410-482-31	o	MICRO 100			
L28	1-410-482-31	o	MICRO 100			

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

L30 1-410-482-31 ■ MICRO 100
 L31 1-410-478-11 ■ MICRO 47
 L32 1-410-476-11 ■ MICRO 33
 L33 1-410-482-31 ■ MICRO 100
 L35 1-410-482-31 ■ MICRO 100

 L37 1-410-482-31 ■ MICRO 100
 L38 1-410-482-31 ■ MICRO 100
 L40 1-410-482-31 ■ MICRO 100
 L41 1-410-478-11 ■ MICRO 47
 L42 1-410-478-11 ■ MICRO 47

 L43 1-410-482-31 ■ MICRO 100
 L45 1-410-482-31 ■ MICRO 100
 L46 1-410-476-21 ■ MICRO 33
 L47 1-410-478-11 ■ MICRO 47
 L48 1-410-476-11 ■ MICRO 33

 L49 1-410-478-11 ■ MICRO 47
 L100 1-459-155-00 ■ 45 (WITH CORE)
 L101 1-459-155-00 ■ 45 (WITH CORE)
 L102 1-459-155-00 ■ 45 (WITH CORE)
 L103 1-459-155-00 ■ 45 (WITH CORE)

 L303 1-410-482-31 ■ MICRO 100
 L304 1-410-482-31 ■ MICRO 100
 L501 1-410-467-21 ■ MICRO 5.6
 L502 1-410-467-21 ■ MICRO 5.6

Q1 8-729-201-27 ■ 28C2715-Y
 Q4 8-729-202-38 ■ 28C3326N
 Q5 8-729-122-63 ■ 28A1226
 Q6 8-729-122-63 ■ 28A1226
 Q7 8-729-122-63 ■ 28A1226

 Q8 8-729-201-27 ■ 28C2715-Y
 Q9 8-729-102-08 ■ 28C2223-F
 Q10 8-729-102-08 ■ 28C2223-F
 Q11 8-729-102-08 ■ 28C2223-F
 Q13 8-729-201-27 ■ 28C2715-Y

 Q16 8-729-202-38 ■ 28C3326N
 Q17 8-729-122-63 ■ 28A1226
 Q18 8-729-122-63 ■ 28A1226
 Q19 8-729-122-63 ■ 28A1226
 Q20 8-729-201-27 ■ 28C2715-Y

 Q21 8-729-102-08 ■ 28C2223-F
 Q22 8-729-102-08 ■ 28C2223-F
 Q23 8-729-102-08 ■ 28C2223-F
 Q24 8-729-201-27 ■ 28C2715-Y
 Q25 8-729-201-27 ■ 28C2715-Y

 Q26 8-729-201-27 ■ 28C2715-Y
 Q27 8-729-201-27 ■ 28C2715-Y
 Q28 8-729-201-27 ■ 28C2715-Y
 Q29 8-729-102-08 ■ 28C2223-F
 Q30 8-729-102-08 ■ 28C2223-F

 Q31 8-729-201-27 ■ 28C2715-Y
 Q32 8-729-201-27 ■ 28C2715-Y
 Q33 8-729-201-27 ■ 28C2715-Y
 Q35 8-729-900-53 ■ DTC114EX
 Q36 8-729-900-53 ■ DTC114EX

 Q38 8-729-900-53 ■ DTC114EX
 Q39 8-729-900-53 ■ DTC114EX
 Q41 8-729-109-44 ■ 28K94
 Q42 8-729-109-44 ■ 28K94
 Q43 8-729-102-08 ■ 28C2223-F

Ref.No. Parts No. SP Description

Q44 8-729-122-63 ■ 28A1226
 Q45 8-729-102-08 ■ 28C2223-F
 Q46 8-729-122-63 ■ 28A1226
 Q47 8-729-201-27 ■ 28C2715-Y
 Q48 8-729-201-27 ■ 28C2715-Y

 Q50 8-729-900-53 ■ DTC114EX
 Q51 8-729-201-27 ■ 28C2715-Y
 Q54 8-729-122-63 ■ 28A1226
 Q55 8-729-201-27 ■ 28C2715-Y
 Q56 8-729-202-38 ■ 28C3326N

 Q57 8-729-202-38 ■ 28C3326N
 Q58 8-729-201-27 ■ 28C2715-Y
 Q59 8-729-201-27 ■ 28C2715-Y
 Q60 8-729-202-38 ■ 28C3326N
 Q61 8-729-122-63 ■ 28A1226

 Q62 8-729-201-27 ■ 28C2715-Y
 Q63 8-729-201-27 ■ 28C2715-Y
 Q64 8-729-202-38 ■ 28C3326N
 Q65 8-729-900-53 ■ DTC114EX
 Q66 8-729-900-53 ■ DTC114EX

 Q67 8-729-900-53 ■ DTC114EX
 Q68 8-729-900-53 ■ DTC114EX
 Q501 8-729-122-66 ■ 28A1226

R1 1-216-638-11 ■ METAL CHIP 300 0.50X 1/10W
 R2 1-216-627-11 ■ METAL CHIP 100 0.50X 1/10W
 R3 1-216-657-11 ■ METAL CHIP 1.8K 0.50X 1/10W
 R6 1-216-619-11 ■ METAL CHIP 47 0.50X 1/10W
 R7 1-216-666-11 ■ METAL CHIP 4.3K 0.50X 1/10W

 R8 1-216-662-11 ■ METAL CHIP 3K 0.50X 1/10W
 R10 1-216-655-11 ■ METAL CHIP 1.5K 0.50X 1/10W
 R11 1-216-644-11 ■ METAL CHIP 510 0.50X 1/10W
 R13 1-216-684-11 ■ METAL CHIP 24K 0.50X 1/10W
 R15 1-216-685-11 ■ METAL CHIP 27K 0.50X 1/10W

 R19 1-216-659-11 ■ METAL CHIP 2.2K 0.50X 1/10W
 R20 1-216-667-11 ■ METAL CHIP 4.7K 0.50X 1/10W
 R28 1-216-651-11 ■ METAL CHIP 1K 0.50X 1/10W
 R29 1-216-650-11 ■ METAL CHIP 910 0.50X 1/10W
 R30 1-216-650-11 ■ METAL CHIP 910 0.50X 1/10W

 R31 1-216-665-11 ■ METAL CHIP 3.9K 0.50X 1/10W
 R33 1-216-651-11 ■ METAL CHIP 1K 0.50X 1/10W
 R39 1-216-621-11 ■ METAL CHIP 56 0.50X 1/10W
 R42 1-216-621-11 ■ METAL CHIP 56 0.50X 1/10W
 R46 1-216-635-11 ■ METAL CHIP 220 0.50X 1/10W

 R48 1-216-635-11 ■ METAL CHIP 220 0.50X 1/10W
 R64 1-216-635-11 ■ METAL CHIP 220 0.50X 1/10W
 R65 1-216-635-11 ■ METAL CHIP 220 0.50X 1/10W
 R71 1-216-638-11 ■ METAL CHIP 300 0.50X 1/10W
 R72 1-216-627-11 ■ METAL CHIP 100 0.50X 1/10W

 R73 1-216-657-11 ■ METAL CHIP 1.8K 0.50X 1/10W
 R82 1-216-684-11 ■ METAL CHIP 24K 0.50X 1/10W
 R83 1-216-685-11 ■ METAL CHIP 27K 0.50X 1/10W
 R88 1-216-685-11 ■ METAL CHIP 27K 0.50X 1/10W
 R89 1-216-667-11 ■ METAL CHIP 4.7K 0.50X 1/10W

 R96 1-216-651-11 ■ METAL CHIP 1K 0.50X 1/10W
 R97 1-216-650-11 ■ METAL CHIP 910 0.50X 1/10W
 R98 1-216-650-11 ■ METAL CHIP 910 0.50X 1/10W
 R99 1-216-659-11 ■ METAL CHIP 5.6K 0.50X 1/10W
 R105 1-216-621-11 ■ METAL CHIP 56 0.50X 1/10W

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
1) R110	1-247-692-11	■	CARBON 22 5X 1/4W
2) R110	1-247-739-21	■	CARBON 15 5X 1/2W
R113	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W
8) R202	1-216-681-11	■	METAL CHIP 18k 0.50X 1/10W
R203	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R204	1-216-691-11	■	METAL CHIP 47k 0.50X 1/10W
R205	1-216-643-11	■	METAL CHIP 470 0.50X 1/10W
R206	1-216-673-11	■	METAL CHIP 8.2k 0.50X 1/10W
R211	1-216-671-11	■	METAL CHIP 6.8k 0.50X 1/10W
R213	1-216-687-11	■	METAL CHIP 33k 0.50X 1/10W
R217	1-216-643-11	■	METAL CHIP 470 0.50X 1/10W
R219	1-216-691-11	■	METAL CHIP 47k 0.50X 1/10W
R220	1-216-673-11	■	METAL CHIP 8.2k 0.50X 1/10W
R221	1-216-671-11	■	METAL CHIP 6.8k 0.50X 1/10W
R228	1-216-691-11	■	METAL CHIP 47k 0.50X 1/10W
R230	1-216-655-11	■	METAL CHIP 1.5k 0.50X 1/10W
R233	1-216-691-11	■	METAL CHIP 47k 0.50X 1/10W
R235	1-216-655-91	■	METAL CHIP 1.5k 0.50X 1/10W
8) R236	1-216-681-11	■	METAL CHIP 18k 0.50X 1/10W
R247	1-216-644-11	■	METAL CHIP 510 0.50X 1/10W
R250	1-216-673-11	■	METAL CHIP 8.2k 0.50X 1/10W
R251	1-216-643-11	■	METAL CHIP 470 0.50X 1/10W
R252	1-216-643-11	■	METAL CHIP 470 0.50X 1/10W
R253	1-247-697-11	■	CARBON 56 5X 1/4W
R254	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R256	1-216-635-11	■	METAL CHIP 220 0.50X 1/10W
R257	1-216-665-11	■	METAL CHIP 3.9k 0.50X 1/10W
R259	1-216-639-11	■	METAL CHIP 330 0.50X 1/10W
R260	1-216-639-11	■	METAL CHIP 330 0.50X 1/10W
R261	1-247-697-11	■	CARBON 56 5X 1/4W
R262	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R263	1-216-665-11	■	METAL CHIP 3.9k 0.50X 1/10W
R264	1-247-697-11	■	CARBON 56 5X 1/4W
R265	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R266	1-216-639-11	■	METAL CHIP 330 0.50X 1/10W
R267	1-216-665-11	■	METAL CHIP 3.9 0.50X 1/10W
R268	1-247-697-11	■	CARBON 56 5X 1/4W
R269	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R270	1-216-665-11	■	METAL CHIP 3.9k 0.50X 1/10W
R271	1-247-697-11	■	CARBON 56 5X 1/4W
R272	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R273	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R274	1-247-697-11	■	CARBON 56 5X 1/4W
R275	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R276	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R281	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W
R287	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W
R295	1-216-677-11	■	METAL CHIP 12k 0.50X 1/10W
R297	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R299	1-216-639-11	■	METAL CHIP 330 0.50X 1/10W
R300	1-216-639-11	■	METAL CHIP 330 0.50X 1/10W
R302	1-216-644-11	■	METAL CHIP 510 0.50X 1/10W
R303	1-216-646-11	■	METAL CHIP 620 0.50X 1/10W
R305	1-216-653-11	■	METAL CHIP 1.2k 0.50X 1/10W
R307	1-216-621-11	■	METAL CHIP 56 0.50X 1/10W
R309	1-216-644-11	■	METAL CHIP 510 0.50X 1/10W
R311	1-216-629-11	■	METAL CHIP 120 0.50X 1/10W
R312	1-216-629-11	■	METAL CHIP 120 0.50X 1/10W
R315	1-216-635-11	■	METAL CHIP 220 0.50X 1/10W
R316	1-216-635-11	■	METAL CHIP 220 0.50X 1/10W

Ref.No.	Parts No.	SP	Description
R319	1-216-649-11	■	METAL CHIP 820 0.50X 1/10W
R321	1-216-667-11	■	METAL CHIP 4.7k 0.50X 1/10W
R324	1-216-667-11	■	METAL CHIP 4.7k 0.50X 1/10W
R325	1-216-629-11	■	METAL CHIP 120 0.50X 1/10W
R326	1-216-629-11	■	METAL CHIP 120 0.50X 1/10W
R327	1-216-649-11	■	METAL CHIP 820 0.50X 1/10W
R334	1-216-687-11	■	METAL CHIP 4.7k 0.50X 1/10W
R355	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R406	1-216-649-11	■	METAL CHIP 820 0.50X 1/10W
R407	1-216-649-11	■	METAL CHIP 820 0.50X 1/10W
R408	1-216-679-11	■	METAL CHIP 15k 0.50X 1/10W
R409	1-216-687-11	■	METAL CHIP 33k 0.50X 1/10W
R412	1-216-640-11	■	METAL CHIP 360 0.50X 1/10W
R413	1-216-640-11	■	METAL CHIP 360 0.50X 1/10W
R414	1-216-623-11	■	METAL CHIP 68 0.50X 1/10W
R415	1-216-623-11	■	METAL CHIP 68 0.50X 1/10W
R416	1-216-634-11	■	METAL CHIP 200 0.50X 1/10W
R417	1-216-660-11	■	METAL CHIP 2.4k 0.50X 1/10W
R418	1-216-660-11	■	METAL CHIP 2.4k 0.50X 1/10W
R419	1-216-634-11	■	METAL CHIP 200 0.50X 1/10W
R504	1-216-645-11	■	METAL CHIP 560 0.50X 1/10W
R505	1-216-645-11	■	METAL CHIP 560 0.50X 1/10W
RV1	1-237-514-21	■	VAR, CERMET 500
RV3	1-237-502-21	■	VAR, CERMET 5k
RV4	1-237-520-21	■	VAR, CERMET 50k
RV6	1-228-468-11	■	VAR, CERMET 5k
RV7	1-237-518-21	■	VAR, CERMET 10k
RV8	1-237-498-21	■	VAR, CERMET 200
RV13	1-237-502-21	■	VAR, CERMET 5k
RV14	1-237-520-21	■	VAR, CERMET 50k
RV15	1-237-520-21	■	VAR, CERMET 50k
RV16	1-237-518-21	■	VAR, CERMET 10k
RV17	1-237-518-21	■	VAR, CERMET 10k
RV18	1-237-498-21	■	VAR, CERMET 200
RV22	1-237-503-21	■	VAR, CERMET 10k
RV23	1-237-501-21	■	VAR, CERMET 2k
RV33	1-237-517-21	■	VAR, CERMET 5k
RV34	1-237-517-21	■	VAR, CERMET 5k
RV35	1-237-517-21	■	VAR, CERMET 5k
RV37	1-237-517-21	■	VAR, CERMET 5k
RV38	1-237-514-21	■	VAR, CERMET 500
RV39	1-237-514-21	■	VAR, CERMET 500
RV42	1-237-506-21	■	VAR, CERMET 100k
RV43	1-237-506-21	■	VAR, CERMET 100k
RV44	1-237-520-21	■	VAR, CERMET 50k
RV45	1-237-519-21	■	VAR, CERMET 20k
RV46	1-237-520-21	■	VAR, CERMET 50k
RV47	1-237-519-21	■	VAR, CERMET 20k
RV50	1-237-514-21	■	VAR, CERMET 500
RV51	1-237-514-21	■	VAR, CERMET 500
RV54	1-237-500-21	■	VAR, CERMET 1k
RV55	1-237-515-21	■	VAR, CERMET 1k
RV56	1-237-515-21	■	VAR, CERMET 1k
RV57	1-237-520-21	■	VAR, CERMET 50k
RV58	1-237-520-21	■	VAR, CERMET 50k
RV501	1-237-500-21	■	VAR, CERMET 1k
S1	1-553-977-00	■	SLIDE
S2	1-570-337-11	■	ROTARY (HEXADECIMAL)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

TH2 1-800-200-00 # S-3K
TH4 1-800-200-00 # S-3K
TH5 1-800-198-XX # S-1K
TH6 1-800-198-XX # S-1K

X1 1-567-916-12 # 6.40MHz
X2 1-567-958-12 # 8.800MHz
X3 1-577-095-11 # 5.166667MHz
X4 1-577-096-11 # 6.766667MHz

7) NR-25 BOARD

All the component parts on the NR-25 board are supplied together when you order the TBC-8P board.

1-624-023-12 o PRINTED CIRCUIT BOARD, NR-25

C701 1-163-033-00 # CERAMIC CHIP 0.022 50V
C702 1-163-033-00 # CERAMIC CHIP 0.022 50V
C703 1-163-033-00 # CERAMIC CHIP 0.022 50V
C704 1-163-033-00 # CERAMIC CHIP 0.022 50V
C705 1-163-033-00 # CERAMIC CHIP 0.022 50V

C706 1-163-033-00 # CERAMIC CHIP 0.022 50V
C707 1-163-033-00 # CERAMIC CHIP 0.022 50V
C708 1-163-033-00 # CERAMIC CHIP 0.022 50V
C709 1-163-033-00 # CERAMIC CHIP 0.022 50V

CN700 1-564-410-11 # HEADER 40P
CN701 1-559-614-11 o FLAT CABLE (40 CORE)

IC701 8-759-947-00 # CXD1328Q (SONY)
IC702 8-752-322-72 # CXK1202S (SONY)
IC703 8-752-322-72 # CXK1202S (SONY)
IC704 8-752-322-72 # CXK1202S (SONY)
IC705 8-759-205-16 # TC74HC161F (TOSHIBA)

IC706 8-759-205-16 # TC74HC161F (TOSHIBA)
IC707 8-751-205-22 # TC74HC240F (TOSHIBA)
IC708 8-759-205-30 # TC74HC273F (TOSHIBA)
IC709 8-759-207-25 # TC74HC163F (TOSHIBA)

8) NR-32 BOARD

All the component parts on the NR-32 board are supplied together when you order the TBC-12P board.

1-629-463-11 o PRINTED CIRCUIT BOARD, NR-32

C701 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C702 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C703 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C704 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C705 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

Ref.No. Parts No. SP Description

C706 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C707 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C708 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C709 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C710 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

C712 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C713 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C714 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C715 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C716 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

C717 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C720 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C721 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C722 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C723 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

C724 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C725 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C727 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C729 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
C730 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

CP701 1-567-979-11 # CRYSTAL VCO 27MHz
CP702 1-577-134-11 # CRYSTAL VCO 13.5MHz

CV701 1-141-320-00 # TRIMMER, CERAMIC 45p

IC701 8-759-947-00 # CXD1328Q (SONY)
IC702 8-752-322-72 # CXK1202S (SONY)
IC703 8-752-322-72 # CXK1202S (SONY)
IC704 8-752-322-72 # CXK1202S (SONY)
IC705 8-759-205-16 # TC74HC161F (TOSHIBA)

IC706 8-759-205-16 # TC74HC161F (TOSHIBA)
IC707 8-759-205-22 # TC74HC240F (TOSHIBA)
IC708 8-759-203-21 # TC74HC273P (TOSHIBA)
IC709 8-759-205-16 # TC74HC161F (TOSHIBA)
IC710 8-759-918-71 # CX23065 (SONY)

IC711 8-759-918-71 # CX23065 (SONY)
IC712 8-759-904-80 # 74F04FC (FSC)
IC713 8-759-904-84 # 74F74FC (FSC)
IC714 8-759-230-23 # CXD1045AQ (SONY)
IC715 8-759-230-23 # CXD1045AQ (SONY)

IC716 8-759-907-81 # SN74LS22NS (TI)
IC717 8-759-904-83 # 74F32FC (FSC)
IC718 8-759-906-71 # 74F175FC (FSC)
IC719 8-759-915-93 # 74F163APC (FSC)
IC720 8-759-925-90 # SN74HC74NS (TI)

IC721 8-759-930-57 # SN74LS164NS (TI)
IC725 8-759-901-58 # SN74LS158N (TI)
IC726 8-759-930-57 # SN74LS164NS (TI)

R748 1-216-672-11 # METAL CHIP 7.5k 0.50X 1/10W
R749 1-216-667-11 # METAL CHIP 4.7k 0.50X 1/10W

RV701 1-230-521-11 # VAR, METAL 2.2k
RV702 1-230-521-11 # VAR, METAL 2.2k

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

PC-33 BOARD

1-622-604-11 o PRINTED CIRCUIT BOARD, PC-33

D1 8-719-800-81 s TLP801A

PC-41 BOARD

1-623-267-11 o PRINTED CIRCUIT BOARD, PC-41

D1 8-719-800-81 s TLP801A

PC-47 BOARD

1-628-786-11 o PRINTED CIRCUIT BOARD, PC-47

D1 8-719-800-81 s TLP801A

PD-35 BOARD

1-622-596-11 o PRINTED CIRCUIT BOARD, PD-35

CN852 1-508-900-00 o PIN 2P

PT-9 BOARD

All the component parts on the PT-9 board are supplied together when you order the key chassis ass'y.

1-605-018-11 o PRINTED CIRCUIT BOARD, PT-9

Q1 8-729-882-52 s 23B825-R

PTC-15 BOARD

1-622-597-11 o PRINTED CIRCUIT BOARD, PTC-15

D1 8-719-800-81 s TLP801A

D2 8-719-800-81 s TLP801A

Ref.No. Parts No. SP Description

PTC-20 BOARD

1-622-598-11 o PRINTED CIRCUIT BOARD, PTC-20

Q1 8-729-116-45 s PH110

Q2 8-729-116-45 s PH110

Q3 8-729-116-45 s PH110

PTC-21 BOARD

1-622-599-11 o PRINTED CIRCUIT BOARD, PTC-21

D1 8-719-800-81 s TLP801A

D2 8-719-800-81 s TLP801A

PTC-23 BOARD

1-622-600-11 o PRINTED CIRCUIT BOARD, PTC-23

D1 8-719-800-81 s TLP801A

PTC-31 BOARD

1-622-607-11 o PRINTED CIRCUIT BOARD, PTC-31

D1 8-719-941-47 s GF2805

PTC-32 BOARD

All the component parts on the PTC-32 board are supplied together when you order the key chassis ass'y.

1-622-638-11 o PRINTED CIRCUIT BOARD, PTC-32

C1 1-124-234-00 s ELECT 22 20X 10V

PH1 8-719-800-81 s TLP801A

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

PTC-36, RE-28/34/36

Ref.No. Parts No. SP Description

PTC-36 BOARD

1-622-601-11 o PRINTED CIRCUIT BOARD, PTC-36

D1 8-719-123-69 s SE310
D2 8-719-123-69 s SE310
D3 8-719-123-69 s SE310

RE-28 BOARD

A 6715-395-A o MOUNTED CIRCUIT BOARD, RE-28

C9 1-124-360-00 s ELECT 1000 20% 16V

CN814 1-508-901-00 o M 3P
CN823 1-508-949-00 o M 12P

D1 8-719-200-02 s 10E2

IC1 8-759-108-77 s CX877 (SONY)

Q1 8-729-177-43 s 2SD774
Q2 8-729-376-84 s 2SA768-G
Q3 8-729-177-43 s 2SD774
Q4 8-729-267-33 s 2SA473
Q5 8-729-103-43 s 2SB734*(28)
Q6 8-729-177-43 s 2SD774

R1 1-247-887-00 s CARBON 220k 5% 1/4W

A R3 1-216-389-11 s METAL OXIDE 1 5% 3W
R10 1-215-866-11 s METAL OXIDE 330 5% 1W

R12 1-247-887-00 s CARBON 220k 5% 1/4W

A R13 1-216-386-11 s METAL OXIDE 0.56 5% 3W

R14 1-247-739-11 s CARBON 100 5% 1/2W
R15 1-247-739-11 s CARBON 100 5% 1/2W

A R16 1-216-389-11 s METAL OXIDE 1 5% 3W

Ref.No. Parts No. SP Description

RE-34 BOARD

A-6711-806-A o MOUNTED CIRCUIT BOARD, RE-34

C4 1-109-546-00 s MICA 300pF 5% 50V
C5 1-162-730-11 s CERAMIC 680pF 1% 50V
C6 1-109-546-00 s MICA 300pF 5% 50V
C14 1-109-546-00 s MICA 300pF 5% 50V
C15 1-162-730-11 s CERAMIC 680pF 1% 50V

C16 1-109-546-00 s MICA 300pF 5% 50V
C21 1-124-236-00 s ELECT 47 20% 16V
C23 1-124-236-00 s ELECT 47 20% 16V

IC1 8-759-007-40 s TL082CP (TI)

LV1 1-407-565-00 s VAR 2.2
LV2 1-407-565-00 s VAR 2.2

Q1 8-729-204-81 s 2SA1048-0
Q2 8-729-177-32 s 2SD773
Q3 8-729-177-32 s 2SD773
Q4 8-729-801-72 s 2SC2603-E
Q5 8-729-204-81 s 2SA1048-0

Q6 8-729-177-32 s 2SD773
Q7 8-729-177-32 s 2SD773
Q8 8-729-801-72 s 2SC2603-E

RV1 1-237-498-21 s VAR, CERMET 200
RV2 1-237-498-21 s VAR, CERMET 200

T1 1-433-194-00 s OSC
T2 1-433-194-00 s OSC

RE-36 BOARD

A 6715-361-A o MOUNTED CIRCUIT BOARD, RE-36

C103 1-162-726-11 s CERAMIC 470pF 1% 50V
C104 1-162-726-11 s CERAMIC 470pF 1% 50V
C106 1-124-462-00 s ELECT 10 20% 16V
C203 1-162-726-11 s CERAMIC 470pF 1% 50V
C204 1-162-726-11 s CERAMIC 470pF 1% 50V

C206 1-124-462-00 s ELECT 10 20% 16V

CN802 1-563-233-11 o F.P.C 13P
CN805 1-562-708-11 o SOCKET 13P
CN806 1-508-901-00 o M 3P
CN807 1-506-477-11 o 12P

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

D1 8-719-200-02 ■ 10E2
D2 8-719-200-02 ■ 10E2

IC101 8-759-705-62 ■ NJM4562D-D (JRC)
IC201 8-759-705-62 ■ NJM4562D-D (JRC)

L1 1-459-155-00 ■ 45 (WITH CORE)
L2 1-459-155-00 ■ 45 (WITH CORE)

Q1 8-729-114-11 ■ 2SA1141
Q2 8-729-177-43 ■ 2SD774
Q3 8-729-103-43 ■ 2SB734
Q4 8-729-102-57 ■ 2SC3012
Q101 8-729-217-33 ■ 2SC1173

Q102 8-729-247-33 ■ 2SA473
Q201 8-729-217-33 ■ 2SC1173
Q202 8-729-247-33 ■ 2SA473

A R2 1-215-864-00 ■ METAL OXIDE 150 5X 1W

R5 1-215-889-00 ■ METAL OXIDE 330 5X 2W

A R101 1-215-863-11 ■ METAL OXIDE 100 5X 1W
R102 1-215-863-11 ■ METAL OXIDE 100 5X 1W
R103 1-216-365-00 ■ METAL OXIDE 0.47 5X 2W

R108 1-247-895-00 ■ CARBON 470k 5X 1/4W
R111 1-247-895-00 ■ CARBON 470k 5X 1/4W
R113 1-247-887-00 ■ CARBON 220k 5X 1/4W
R213 1-247-887-00 ■ CARBON 220k 5X 1/4W

A R201 1-215-863-11 ■ METAL OXIDE 100 5X 1W

A R202 1-215-863-11 ■ METAL OXIDE 100 5X 1W
R203 1-216-365-00 ■ METAL OXIDE 0.47 5X 2W

R208 1-247-895-00 ■ CARBON 470k 5X 1/4W
R211 1-247-895-00 ■ CARBON 470k 5X 1/4W

RM-40 BOARD

1-622-605-11 ○ PRINTED CIRCUIT BOARD, RM-40

C1 1-102-363-00 ■ CERAMIC 0.001 50V
C2 1-102-363-00 ■ CERAMIC 0.001 50V

CW3 1-562-708-11 ○ 13P

Ref.No. Parts No. SP Description

RM-57 BOARD

1-624-153-11 ○ PRINTED CIRCUIT BOARD, RM-57

CN450 1-559-263-11 ○ WIRE ASS'Y, FLAT TYPE (40 CORE)
CN452 1-508-933-00 ■ 2P
CN453 1-561-028-00 ■ 36P
CN454 1-563-890-11 ■ SOCKET, D-SUB 9P
CN455 1-563-890-11 ■ SOCKET, D-SUB 9P
CN456 1-566-441-11 ■ D-SUB 15P

FB1 1-535-178-00 ■ FERRITE BEAD
FB2 1-535-178-00 ■ FERRITE BEAD

R1 1-215-906-11 ■ METAL OXIDE 15 5X 3W

RP-29P (C) BOARD

A-6711-896-A ○ MOUNTED CIRCUIT BOARD, RP-29P (C)

D101 8-719-100-05 ■ 1S2837
D102 8-719-100-05 ■ 1S2837
D103 8-719-100-05 ■ 1S2837
D104 8-719-100-05 ■ 1S2837
D105 8-719-109-58 ■ RD2.7ES-B2
D106 8-719-100-05 ■ 1S2837
D107 8-719-100-05 ■ 1S2837
D108 8-719-100-05 ■ 1S2837
D109 8-719-100-05 ■ 1S2837

IC101 1-807-991-11 ■ BH1806 (SONY)
IC102 1-807-991-11 ■ BH1806 (SONY)
IC103 1-807-987-11 ■ BH1802 (SONY)
IC104 1-807-987-11 ■ BH1802 (SONY)
IC105 8-752-006-10 ■ CX20061 (SONY)

IC106 8-752-006-10 ■ CX20061 (SONY)
IC107 8-759-240-09 ■ TC4009UBP (TOSHIBA)
IC108 8-759-240-09 ■ TC4009UBP (TOSHIBA)

L101 1-410-482-31 ■ MICRO 100
L102 1-410-482-31 ■ MICRO 100
L103 1-410-482-31 ■ MICRO 100
L104 1-410-482-31 ■ MICRO 100
L105 1-410-482-31 ■ MICRO 100

Q101 8-729-201-27 ■ 2SC2715-Y
Q102 8-729-201-27 ■ 2SC2715-Y
Q103 8-729-122-63 ■ 2SA1226
Q104 8-729-122-63 ■ 2SA1226
Q105 8-729-202-38 ■ 2SC3326N

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

RP-29P (C) / 29P (Y)

Ref.No. Parts No. SP Description

Q106 8-729-202-38 s 2SC3326M
Q107 8-729-202-38 s 2SC3326M
Q108 8-729-201-27 s 2SC2715-Y
Q109 8-729-122-63 s 2SA1226
Q110 8-729-122-63 s 2SA1226

Q111 8-729-202-38 s 2SC3326M
Q112 8-729-202-38 s 2SC3326M
Q113 8-729-202-38 s 2SC3326M
Q114 8-729-271-22 s 2SC2712-G

R102 1-216-624-11 s METAL CHIP 75 0.50X 1/10W
R109 1-216-603-11 s METAL CHIP 10 0.50X 1/10W
R110 1-216-611-11 s METAL CHIP 22 0.50X 1/10W
R111 1-216-611-11 s METAL CHIP 22 0.50X 1/10W
R112 1-216-603-11 s METAL CHIP 10 0.50X 1/10W

R126 1-216-603-11 s METAL CHIP 10 0.50X 1/10W
R127 1-216-611-11 s METAL CHIP 22 0.50X 1/10W
R128 1-216-611-11 s METAL CHIP 22 0.50X 1/10W
R129 1-216-603-11 s METAL CHIP 10 0.50X 1/10W

RV101 1-226-702-00 s VAR, METAL GLAZE 2.2k
RV102 1-226-702-00 s VAR, METAL GLAZE 2.2k
RV103 1-226-702-00 s VAR, METAL GLAZE 2.2k
RV104 1-226-702-00 s VAR, METAL GLAZE 2.2k
RV105 1-226-769-00 s VAR, METAL GLAZE 100

RV106 1-226-769-00 s VAR, METAL GLAZE 100
RV107 1-226-771-11 s VAR, METAL GLAZE 1k
RV108 1-226-771-11 s VAR, METAL GLAZE 1k
RV109 1-226-771-11 s VAR, METAL GLAZE 1k
RV110 1-226-771-11 s VAR, METAL GLAZE 1k

RV111 1-226-702-00 s VAR, METAL GLAZE 2.2k
RV112 1-226-702-00 s VAR, METAL GLAZE 2.2k

SS101 1-561-832-00 s SOCKET, SHORT
SS102 1-561-832-00 s SOCKET, SHORT

T101 1-427-545-11 s RF OUTPUT
T102 1-427-545-11 s RF OUTPUT
T103 1-427-592-11 s RF INPUT
T104 1-427-592-11 s RF INPUT

RP-29P (Y) BOARD

A-6711-895-A o MOUNTED CIRCUIT BOARD, RP-29P (Y)

C39 1-162-207-31 s CERAMIC 22pF 5X 50V
C40 1-162-207-31 s CERAMIC 22pF 5X 50V
C43 1-161-494-00 s CERAMIC 0.022 30X 25V
C44 1-161-494-00 s CERAMIC 0.022 30X 25V

D1 8-719-100-05 s IS2837
D2 8-719-100-05 s IS2837
D3 8-719-100-05 s IS2837
D4 8-719-100-05 s IS2837
D5 8-719-109-58 s RD27ES-B2

Ref.No. Parts No. SP Description

D6 8-719-100-05 s IS2837
D7 8-719-100-05 s IS2837
D8 8-719-100-05 s IS2837
D9 8-719-100-05 s IS2837

IC1 1-807-991-11 s BH1806 (SONY)
IC2 1-807-991-11 s BH1806 (SONY)
IC3 8-741-156-62 s SX1566-03 (SONY)
IC4 8-741-156-62 s SX1566-03 (SONY)
IC5 8-752-006-10 s CX20061 (SONY)

IC6 8-759-006-10 s CX20061 (SONY)
IC7 8-759-240-09 s TC4009UBP (TOSHIBA)
IC8 8-759-240-09 s TC4009UBP (TOSHIBA)

L1 1-410-482-31 s MICRO 100
L2 1-410-482-31 s MICRO 100
L3 1-410-482-31 s MICRO 100
L4 1-410-482-31 s MICRO 100
L5 1-410-482-31 s MICRO 100

L6 1-410-470-11 s MICRO 10
L7 1-410-470-11 s MICRO 10

Q1 8-729-201-27 s 2SC2715-Y
Q2 8-729-201-27 s 2SC2715-Y
Q3 8-729-122-63 s 2SA1226
Q4 8-729-122-63 s 2SA1226
Q5 8-729-202-38 s 2SC3326M

Q6 8-729-202-38 s 2SC3326M
Q7 8-729-202-38 s 2SC3326M
Q8 8-729-201-27 s 2SC2715-Y
Q9 8-729-122-63 s 2SA1226
Q10 8-729-122-63 s 2SA1226

Q11 8-729-202-38 s 2SC3326M
Q12 8-729-202-38 s 2SC3326M
Q13 8-729-202-38 s 2SC3326M
Q14 8-729-271-22 s 2SC2712-G

R2 1-216-624-11 s METAL CHIP 75 0.50X 1/10W
R9 1-216-603-11 s METAL CHIP 10 0.50X 1/10W
R10 1-216-611-11 s METAL CHIP 22 0.50X 1/10W
R11 1-216-611-11 s METAL CHIP 22 0.50X 1/10W
R12 1-216-603-11 s METAL CHIP 10 0.50X 1/10W

R20 1-216-618-11 s METAL CHIP 43 0.50X 1/10W
R26 1-216-603-11 s METAL CHIP 10 0.50X 1/10W
R27 1-216-611-11 s METAL CHIP 22 0.50X 1/10W
R28 1-216-611-11 s METAL CHIP 22 0.50X 1/10W
R29 1-216-603-11 s METAL CHIP 10 0.50X 1/10W

R38 1-216-618-11 s METAL CHIP 43 0.50X 1/10W

RV1 1-226-702-00 s VAR, METAL GLAZE 2.2k
RV2 1-226-702-00 s VAR, METAL GLAZE 2.2k
RV3 1-226-702-00 s VAR, METAL GLAZE 2.2k
RV4 1-226-702-00 s VAR, METAL GLAZE 2.2k
RV5 1-226-769-00 s VAR, METAL GLAZE 100

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

RV6 1-226-769-00 # VAR, METAL GLAZE 100
RV7 1-226-771-11 # VAR, METAL GLAZE 1k
RV8 1-226-771-11 # VAR, METAL GLAZE 1k
RV9 1-226-771-11 # VAR, METAL GLAZE 1k
RV10 1-226-771-11 # VAR, METAL GLAZE 1k

RV11 1-226-702-00 # VAR, METAL GLAZE 2.2k
RV12 1-226-702-00 # VAR, METAL GLAZE 2.2k
RV13 1-226-703-11 # VAR, METAL GLAZE 10k
RV14 1-226-703-11 # VAR, METAL GLAZE 10k

SS1 1-561-832-00 # SOCKET, SHORT
SS2 1-561-832-00 # SOCKET, SHORT

T1 1-427-545-11 # RF OUTPUT
T2 1-427-545-11 # RF OUTPUT
T3 1-427-595-11 # RF INPUT
T4 1-427-595-11 # RF INPUT

SE-57 BOARD

A-6715-353-A # MOUNTED CIRCUIT BOARD, SE-57

C1 1-162-726-11 # CERAMIC 470pF 1X 50V
C2 1-162-726-11 # CERAMIC 470pF 1X 50V

D1 8-719-911-19 # 18S119
D2 8-719-911-19 # 18S119
D3 8-719-911-19 # 18S119

IC1 8-759-729-03 # NJM2903D (JRC)
IC2 8-759-345-38 # HD14538P (HITACHI)
IC3 8-759-145-58 # uPD4558C (NEC)

Q1 8-729-801-72 # 2SC2603-E
Q2 8-729-217-33 # 2SC1173
Q3 8-729-247-33 # 2SA473
Q4 8-729-801-72 # 2SC2603-E
Q5 8-729-117-54 # 2SA1175

Q6 8-729-801-72 # 2SC2603-E
Q7 8-729-801-72 # 2SC2603-E

R5 1-247-895-00 # CARBON 470k 5% 1/4W
R14 1-247-887-00 # CARBON 220k 5% 1/4W
R15 1-247-887-00 # CARBON 220k 5% 1/4W
R29 1-216-347-11 # METAL OXIDE 0.68 5% 1W
R30 1-216-347-11 # METAL OXIDE 0.68 5% 1W

Ref.No. Parts No. SP Description

SV-82 BOARD

1) IC109 8-759-789-70 # C256A-BVW75P V1.08SV
2) IC109 8-759-741-67 # C256A-BVW75P V1.09SV

A-6715-356-A # MOUNTED CIRCUIT BOARD, SV-82

C1 1-162-887-11 # CERAMIC 470pF 5% 50V
C2 1-162-887-11 # CERAMIC 470pF 5% 50V
C7 1-162-887-11 # CERAMIC 470pF 5% 50V
C9 1-162-887-11 # CERAMIC 470pF 5% 50V
C106 1-124-598-11 # ELECT 22 20X 25V

C110 1-124-598-11 # ELECT 22 20X 25V
C111 1-124-462-00 # ELECT 10 20X 16V
C112 1-124-462-00 # ELECT 10 20X 16V
C125 1-161-463-00 # CERAMIC 220pF 5% 50V
C127 1-161-463-00 # CERAMIC 220pF 5% 50V

C128 1-161-463-00 # CERAMIC 220pF 5% 50V
C131 1-162-883-21 # CERAMIC 220pF 5% 50V
C308 1-124-224-00 # ELECT 47 20X 6.3V
C309 1-124-224-00 # ELECT 47 20X 6.3V
C310 1-124-236-00 # ELECT 47 20X 16V

C311 1-124-236-00 # ELECT 47 20X 16V

CN206 1-506-748-11 # DIN 96P

D1 8-719-911-19 # 18S119
D2 8-719-911-19 # 18S119
D101 8-719-911-19 # 18S119
D102 8-719-911-19 # 18S119
D103 8-719-911-19 # 18S119

D104 8-719-911-19 # 18S119
D105 8-719-911-19 # 18S119
D106 8-719-911-19 # 18S119
D107 8-719-911-19 # 18S119
D108 8-719-911-19 # 18S119

D109 8-719-911-19 # 18S119
D110 8-719-911-19 # 18S119
D111 8-719-911-19 # 18S119
D114 8-719-911-19 # 18S119

IC1 8-759-113-55 # uPD71054GB (NEC)
IC2 8-759-113-55 # uPD71054GB (NEC)
IC3 8-759-113-55 # uPD71054GB (NEC)
IC4 8-759-113-55 # uPD71054GB (NEC)
IC5 8-759-113-55 # uPD71054GB (NEC)

IC6 8-759-938-83 # CF77074NT (TI)
IC7 8-759-938-83 # CF77074NT (TI)
IC8 8-759-938-83 # CF77074NT (TI)
IC9 8-759-205-06 # TC74HC74F (TOSHIBA)
IC10 8-759-926-97 # SN74HC024NS (TI)

IC11 8-759-205-00 # TC74HC14F (TOSHIBA)
IC12 8-759-205-00 # TC74HC14F (TOSHIBA)
IC14 8-759-208-11 # TC4053BFB (TOSHIBA)
IC101 8-759-926-49 # SN74HC245NS (TI)
IC102 8-759-205-23 # TC74HC244F (TOSHIBA)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

IC103 8-759-208-09 s TC4052BPHB (TOSHIBA)
 IC104 8-759-204-97 s TC74HC04F (TOSHIBA)
 IC105 8-752-323-64 s CXE5816M-12L (SONY)
 IC106 8-759-205-09 s TC74HC138F (TOSHIBA)
 IC107 8-759-205-09 s TC74HC138F (TOSHIBA)

IC108 8-759-205-10 s TC74HC138F (TOSHIBA)
 IC110 8-759-926-66 s SN74HC373MS (TI)
 IC111 8-759-113-03 s uPD78131CM (NEC)
 IC112 8-759-926-98 s SN74HC4040NS (TI)
 IC113 8-759-103-95 s uPC648C (NEC)

IC114 8-759-908-92 s TL084CNS (TI)
 IC116 8-759-908-92 s TL084CNS (TI)
 IC117 8-759-908-92 s TL084CNS (TI)
 IC118 8-759-208-15 s TC4066BPHB (TOSHIBA)
 IC119 8-759-208-15 s TC4066BPHB (TOSHIBA)

IC120 8-759-938-68 s CXD1095Q (SONY)
 IC121 8-759-708-09 s NJM78109A (JRC)
 IC122 8-759-204-98 s TC74HC08F (TOSHIBA)

L1 1-410-476-11 s MICRO 33
 L2 1-410-476-11 s MICRO 33
 L3 1-410-476-11 s MICRO 33
 L4 1-410-476-11 s MICRO 33

Q1 8-729-801-72 s 2SC2603-E
 Q2 8-729-801-72 s 2SC2603-E
 Q3 8-729-801-72 s 2SC2603-E

R1 1-247-887-00 s CARBON 220k 5% 1/4W
 R3 1-247-887-00 s CARBON 220k 5% 1/4W
 R5 1-247-887-00 s CARBON 220k 5% 1/4W
 R7 1-247-887-00 s CARBON 220k 5% 1/4W
 R19 1-247-887-00 s CARBON 220k 5% 1/4W
 R114 1-217-666-31 s SHORT 0.01 1/6W
 R116 1-217-666-31 s SHORT 0.01 1/6W
 R170 1-247-887-00 s CARBON 220k 5% 1/4W
 R172 1-247-887-00 s CARBON 220k 5% 1/4W

RB101 1-231-557-00 s BLOCK, RESISTOR 100K X 4

RV101 1-237-515-21 s VAR, CERMET 1k
 RV102 1-237-505-21 s VAR, CERMET 50k
 RV103 1-237-505-21 s VAR, CERMET 50k

S101 1-553-572-00 s DIP (PIANO TYPE)

X101 1-567-865-11 s 12.000MHz

Ref.No. Parts No. SP Description

SV-83 BOARD

A-6715-357-A o MOUNTED CIRCUIT BOARD, SV-83

C1 1-124-236-00 s ELECT 47 20% 10V
 C2 1-124-236-00 s ELECT 47 20% 10V
 C3 1-162-879-21 s CERAMIC 100pF 5% 50V
 C6 1-162-879-21 s CERAMIC 100pF 5% 50V
 C12 1-162-879-21 s CERAMIC 100pF 5% 50V

C15 1-124-224-00 s ELECT 47 20% 6.3V
 C16 1-124-224-00 s ELECT 47 20% 6.3V
 C31 1-124-236-00 s ELECT 47 20% 10V
 C32 1-124-236-00 s ELECT 47 20% 10V
 C201 1-124-236-00 s ELECT 47 20% 10V

C202 1-124-462-00 s ELECT 10 20% 16V
 C203 1-124-234-00 s ELECT 22 20% 16V
 C208 1-162-885-11 s CERAMIC 330pF 5% 50V
 C209 1-136-287-11 s PP FILM 4700pF 5% 50V
 C212 1-162-885-11 s CERAMIC 330pF 5% 50V

C219 1-161-463-00 s CERAMIC 220pF 5% 50V
 C221 1-162-887-11 s CERAMIC 470pF 5% 50V
 C222 1-130-728-00 s PP FILM 2200pF 5% 50V
 C309 1-124-236-00 s ELECT 47 20% 10V
 C310 1-124-236-00 s ELECT 47 20% 10V

C311 1-124-236-00 s ELECT 47 20% 10V
 C312 1-124-236-00 s ELECT 47 20% 10V

CN207 1-506-748-11 s DIP 96P

D5 8-719-911-19 s 1SS119
 D6 8-719-911-19 s 1SS119
 D7 8-719-911-19 s 1SS119
 D8 8-719-911-19 s 1SS119
 D201 8-719-911-19 s 1SS119

IC1 8-759-132-40 s uPC324C (NEC)
 IC2 8-759-908-92 s TL084CNS (TI)
 IC3 8-759-908-92 s TL084CNS (TI)
 IC4 8-759-700-58 s NJM555D-PA (JRC)
 IC5 8-759-908-92 s TL084CNS (TI)

IC6 8-759-908-92 s TL084CNS (TI)
 IC7 8-759-700-07 s NJM2903M (JRC)
 IC8 8-759-700-07 s NJM2903M (JRC)
 IC10 8-759-910-43 s CX23028 (SONY)
 IC11 8-759-208-11 s TC4053BPHB (TOSHIBA)

IC201 8-743-915-10 s BX3915A (SONY)
 IC202 8-759-208-11 s TC4053BPHB (TOSHIBA)
 IC203 8-759-200-90 s TC4538BF (TOSHIBA)
 IC204 8-759-205-78 s TC504013F (TOSHIBA)
 IC205 8-759-200-84 s TC4081BF (TOSHIBA)

IC206 8-759-700-07 s NJM2903M (JRC)
 IC207 8-759-200-90 s TC4538BF (TOSHIBA)
 IC208 8-759-204-20 s TC4024BF (TOSHIBA)
 IC209 8-759-204-20 s TC4024BF (TOSHIBA)
 IC210 8-759-700-07 s NJM2903M (JRC)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

IC211 8-759-200-68 s TC4011BF (TOSHIBA)
 IC212 8-759-200-68 s TC4011BF (TOSHIBA)
 IC213 8-759-205-78 s TC504013BF (TOSHIBA)
 IC214 8-759-200-90 s TC4538BF (TOSHIBA)
 IC215 8-759-200-90 s TC4538BF (TOSHIBA)

IC216 8-759-205-78 s TC504013BF (TOSHIBA)
 IC217 8-759-205-78 s TC504013BF (TOSHIBA)
 IC218 8-759-200-90 s TC4538BF (TOSHIBA)
 IC219 8-759-208-11 s TC4053BF (TOSHIBA)
 IC220 8-759-205-15 s TC74HC160F (TOSHIBA)

IC221 8-759-200-78 s TC4030BF (TOSHIBA)

JR3 1-217-666-91 s SHORT 0.01 1/6W

L1 1-410-476-11 s MICRO 33
 L2 1-410-476-11 s MICRO 33
 L3 1-410-476-11 s MICRO 33
 L4 1-410-476-11 s MICRO 33

Q2 8-729-201-04 s 2SC2878
 Q3 8-729-201-04 s 2SC2878
 Q4 8-729-201-04 s 2SC2878
 Q5 8-729-201-04 s 2SC2878
 Q8 8-729-201-04 s 2SC2878
 Q9 8-729-611-53 s 2SA1115-Y

R21 1-247-883-00 s CARBON 150k 5% 1/4W
 R129 1-247-887-00 s CARBON 220k 5% 1/4W
 R132 1-247-883-00 s CARBON 150k 5% 1/4W
 R133 1-247-883-00 s CARBON 150k 5% 1/4W
 R215 1-247-883-00 s CARBON 150k 5% 1/4W
 R222 1-247-883-00 s CARBON 150k 5% 1/4W
 R257 1-247-887-00 s CARBON 220k 5% 1/4W

RV1 1-230-838-11 s VAR, METAL FILM 200
 RV2 1-237-512-21 s VAR, CERMET 100
 RV3 1-237-520-21 s VAR, CERMET 50k
 RV4 1-237-518-21 s VAR, CERMET 10k
 RV8 1-237-519-21 s VAR, CERMET 20k

RV9 1-237-518-21 s VAR, CERMET 10k
 RV10 1-237-518-21 s VAR, CERMET 10k
 RV11 1-237-518-21 s VAR, CERMET 10k
 RV12 1-237-518-21 s VAR, CERMET 10k
 RV13 1-237-518-21 s VAR, CERMET 10k

RV15 1-237-521-21 s VAR, CERMET 100k
 RV16 1-237-521-21 s VAR, CERMET 100k
 RV201 1-237-521-21 s VAR, CERMET 100k
 RV202 1-237-521-21 s VAR, CERMET 100k
 RV203 1-237-521-21 s VAR, CERMET 100k

RV204 1-237-521-21 s VAR, CERMET 100k
 RV205 1-237-521-21 s VAR, CERMET 100k
 RV206 1-237-522-21 s VAR, CERMET 200k
 RV210 1-237-517-21 s VAR, CERMET 50k

S1 1-552-509-00 s DIP

Ref.No. Parts No. SP Description

SV-84P BOARD

A-6715-386-A o MOUNTED CIRCUIT BOARD, SV-84P

C1 1-124-224-00 s ELECT 47 20% 6.3V
 C2 1-124-224-00 s ELECT 47 20% 6.3V
 C3 1-124-236-00 s ELECT 47 20% 16V
 C4 1-124-236-00 s ELECT 47 20% 16V
 C7 1-124-236-00 s ELECT 47 20% 16V

C10 1-124-236-00 s ELECT 47 20% 16V
 C11 1-162-879-11 s CERAMIC 100pF 5% 50V
 C12 1-130-736-11 s FILM 0.01 5% 50V
 C29 1-124-224-00 s ELECT 47 20% 6.3V
 C30 1-124-224-00 s ELECT 47 20% 6.3V

C31 1-124-236-00 s ELECT 47 20% 16V
 C32 1-124-236-00 s ELECT 47 20% 16V
 C100 1-124-234-00 s ELECT 22 20% 16V
 C105 1-162-887-11 s CERAMIC 470pF 5% 50V
 C106 1-162-887-11 s CERAMIC 470pF 5% 50V

C107 1-162-887-11 s CERAMIC 470pF 5% 50V
 C111 1-162-879-11 s CERAMIC 100pF 5% 50V
 C112 1-162-879-11 s CERAMIC 100pF 5% 50V
 C116 1-124-254-00 s ELECT 0.68 20% 50V
 C117 1-124-254-00 s ELECT 0.68 20% 50V

C118 1-124-261-00 s ELECT 10 20% 50V
 C119 1-124-261-00 s ELECT 10 20% 50V
 C120 1-162-879-11 s CERAMIC 100pF 5% 50V
 C121 1-130-736-11 s FILM 0.01 5% 50V
 C123 1-136-287-11 s FILM 4700pF 5% 50V

C127 1-130-736-11 s FILM 0.01 5% 50V
 C130 1-124-662-00 s ELECT 10 20% 16V
 C131 1-124-236-00 s ELECT 47 20% 16V
 C202 1-123-611-00 s ELECT 1 20% 50V
 C203 1-124-261-00 s ELECT 10 20% 50V

C207 1-123-611-00 s ELECT 1 20% 50V
 C208 1-124-261-00 s ELECT 10 20% 50V
 C212 1-123-611-00 s ELECT 1 20% 50V
 C213 1-124-261-00 s ELECT 10 20% 50V
 C216 1-123-611-00 s ELECT 1 20% 50V

C217 1-123-611-00 s ELECT 1 20% 50V
 C219 1-162-879-11 s CERAMIC 100pF 5% 50V
 C221 1-162-879-11 s CERAMIC 100pF 5% 50V

CN208 1-506-748-11 s DIN 96P

D1 8-719-911-19 s 1SS119
 D2 8-719-911-19 s 1SS119
 D4 8-719-911-19 s 1SS119
 D5 8-719-911-19 s 1SS119
 D100 8-719-911-19 s 1SS119

D101 8-719-911-19 s 1SS119
 D102 8-719-911-19 s 1SS119
 D103 8-719-911-19 s 1SS119
 D104 8-719-911-19 s 1SS119
 D105 8-719-911-19 s 1SS119

D201 8-719-911-19 s 1SS119
 D202 8-719-911-19 s 1SS119
 D203 8-719-911-19 s 1SS119
 D204 8-719-911-19 s 1SS119

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

SV-84P, SW-144

Ref.No. Parts No. SP Description

IC1 8-759-700-07 ■ NJM2903M (JRC)
 IC2 8-759-908-92 ■ TL084CNS (TI)
 IC3 8-759-908-92 ■ TL084CNS (TI)
 IC4 8-759-700-07 ■ NJM2903M (JRC)
 IC5 8-759-200-90 ■ TC4538BF (TOSHIBA)

IC6 8-759-200-67 ■ TC4001BF (TOSHIBA)
 IC7 8-759-910-43 ■ CX23028 (SONY)
 IC8 8-759-200-68 ■ TC4011BF (TOSHIBA)
 IC100 8-759-700-58 ■ NJM4558D-FA (JRC)
 IC101 8-743-914-00 ■ BX3914 (SONY)

IC102 8-759-208-11 ■ TC4053BFB (TOSHIBA)
 IC103 8-759-208-11 ■ TC4053BFB (TOSHIBA)
 IC104 8-759-208-11 ■ TC4053BFB (TOSHIBA)
 IC105 8-759-200-90 ■ TC4538BF (TOSHIBA)
 IC106 8-759-200-67 ■ TC4001BF (TOSHIBA)

IC107 8-759-200-83 ■ TC4071BF (TOSHIBA)
 IC108 8-759-200-90 ■ TC4538BF (TOSHIBA)
 IC109 8-759-907-81 ■ SN74ALS221NS (TI)
 IC110 8-759-908-92 ■ TL084CNS (TI)
 IC111 8-759-200-90 ■ TC4538BF (TOSHIBA)

IC112 8-759-201-53 ■ TC408000F (TOSHIBA)
 IC113 8-759-201-53 ■ TC408000F (TOSHIBA)
 IC114 8-759-926-37 ■ SN74HC193NS (TI)
 IC115 8-759-926-37 ■ SN74HC193NS (TI)
 IC116 8-759-931-55 ■ SN74LS683NS (TI)

2) IC116 8-759-931-57 ■ SN74LS683NS (TI)
 IC117 8-759-938-68 ■ CXD1095Q (SONY)
 IC118 8-759-205-39 ■ TC74HC049F (TOSHIBA)
 IC119 8-759-205-06 ■ TC74HC74F (TOSHIBA)
 IC120 8-759-205-05 ■ TC74HC32F (TOSHIBA)

IC201 8-759-700-07 ■ NJM2903M (JRC)
 IC202 8-759-700-07 ■ NJM2903M (JRC)
 IC203 8-759-208-11 ■ TC4053BFB (TOSHIBA)

L1 1-410-476-11 ■ MICRO 33
 L2 1-410-476-11 ■ MICRO 33
 L3 1-410-476-11 ■ MICRO 33
 L4 1-410-476-11 ■ MICRO 33

Q1 8-729-201-05 ■ 2SC2878-B
 Q2 8-729-201-05 ■ 2SC2878-B
 Q3 8-729-201-05 ■ 2SC2878-B
 Q4 8-729-900-89 ■ DTC144ES
 Q5 8-729-900-89 ■ DTC144ES

Q100 8-729-900-89 ■ DTC144ES
 Q101 8-729-103-43 ■ 2S8734
 Q102 8-729-611-53 ■ 2SA1115-F
 Q103 8-729-900-89 ■ DTC144ES
 Q104 8-729-201-05 ■ 2SC2878-B

Q105 8-729-201-05 ■ 2SC2878-B
 Q106 8-729-900-89 ■ DTC144ES
 Q107 8-729-900-89 ■ DTC144ES
 Q108 8-729-900-89 ■ DTC144ES
 Q109 8-729-201-05 ■ 2SC2878-B

Q110 8-729-900-89 ■ DTC144ES
 Q111 8-729-201-05 ■ 2SC2878-B
 Q113 8-729-900-89 ■ DTC144ES

Ref.No. Parts No. SP Description

R28 1-247-887-00 ■ CARBON 220k 5% 1/4W
 R47 1-247-883-00 ■ CARBON 150k 5% 1/4W
 R53 1-247-883-00 ■ CARBON 150k 5% 1/4W
 R108 1-247-887-00 ■ CARBON 220k 5% 1/4W
 R115 1-247-887-00 ■ CARBON 220k 5% 1/4W

R118 1-247-887-00 ■ CARBON 220k 5% 1/4W
 R123 1-247-887-00 ■ CARBON 220k 5% 1/4W
 R124 1-247-887-00 ■ CARBON 220k 5% 1/4W
 R134 1-247-887-00 ■ CARBON 220k 5% 1/4W
 R136 1-247-881-00 ■ CARBON 120k 5% 1/4W

R141 1-247-887-00 ■ CARBON 220k 5% 1/4W
 R145 1-247-881-00 ■ CARBON 120k 5% 1/4W
 R160 1-247-891-00 ■ CARBON 330k 5% 1/4W
 R206 1-247-887-00 ■ CARBON 220k 5% 1/4W
 R214 1-247-887-00 ■ CARBON 220k 5% 1/4W

R222 1-247-887-00 ■ CARBON 220k 5% 1/4W
 R228 1-247-887-00 ■ CARBON 220k 5% 1/4W
 R250 1-247-887-00 ■ CARBON 220k 5% 1/4W
 R258 1-247-887-00 ■ CARBON 220k 5% 1/4W
 R259 1-247-887-00 ■ CARBON 220k 5% 1/4W

R260 1-247-887-00 ■ CARBON 220k 5% 1/4W

RV1 1-237-517-21 ■ VAR, CERMET 5k
 RV2 1-237-518-21 ■ VAR, CERMET 10k
 RV3 1-237-518-21 ■ VAR, CERMET 10k
 RV4 1-237-522-21 ■ VAR, CERMET 200k
 RV100 1-237-522-21 ■ VAR, CERMET 200k

RV101 1-237-520-21 ■ VAR, CERMET 50k
 RV102 1-237-522-21 ■ VAR, CERMET 100k
 RV202 1-237-503-21 ■ VAR, CERMET 10k

SW-144 BOARD

1-622-573-13 o PRINTED CIRCUIT BOARD, SW-144

C9 1-124-236-00 ■ ELECT 47 20% 10V
 C10 1-124-236-00 ■ ELECT 47 20% 10V

D1 8-719-800-86 ■ TLG255
 D2 8-719-800-86 ■ TLG255
 D3 8-719-800-89 ■ TLY255
 D4 8-719-800-89 ■ TLY255
 D5 8-719-800-86 ■ TLG255

D7 8-719-800-86 ■ TLG255
 D9 8-719-800-86 ■ TLG255
 D10 8-719-800-86 ■ TLG255
 D11 8-719-911-19 ■ 1S8119
 D12 8-719-800-86 ■ TLG255

Q1 8-729-900-63 ■ DTA124ES
 Q2 8-729-900-63 ■ DTA124ES
 Q3 8-729-900-36 ■ DTC124ES

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

R3 1-247-706-11 ■ CARBON 330 5X 1/4W
 R4 1-247-706-11 ■ CARBON 330 5X 1/4W
 R5 1-247-706-11 ■ CARBON 330 5X 1/4W
 R6 1-247-706-11 ■ CARBON 330 5X 1/4W
 R17 1-247-710-11 ■ CARBON 560 5X 1/4W

S1 1-516-995-00 ■ LEVER SLIDE
 S2 1-516-995-00 ■ LEVER SLIDE
 S3 1-516-961-00 ■ LEVER SLIDE
 S4 1-516-995-00 ■ LEVER SLIDE
 S5 1-516-961-00 ■ LEVER SLIDE

S6 1-516-995-00 ■ LEVER SLIDE

SY-61 BOARD

- 1) IC6 8-759-789-83 ■ C256A-BVM75P V1.09 SY1
 2) IC6 8-759-741-37 ■ C256A-BVM75P V1.10 SY1
 1) IC39 8-759-789-84 ■ C256A-BVM75P V1.06 SY2
 2) IC39 8-759-741-38 ■ C512-BVM75P V1.07 SY2

- 1) A-6717-442-A ■ MOUNTED CIRCUIT BOARD, SY-61
 2) A-6717-442-B ■ MOUNTED CIRCUIT BOARD, SY-61

C1 1-124-236-00 ■ ELECT 47 20X 10V
 C3 1-126-103-11 ■ ELECT 470 20X 16V
 C5 1-126-103-11 ■ ELECT 470 20X 16V
 C101 1-124-462-00 ■ ELECT 10 20X 16V
 C107 1-162-888-11 ■ CERAMIC 560pF 5X 50V
 C108 1-124-234-00 ■ ELECT 22 20X 16V
 C111 1-162-887-11 ■ CERAMIC 470pF 5X 50V
 C201 1-124-462-00 ■ ELECT 10 20X 16V
 C209 1-107-169-00 ■ MICA 100pF 5X 500V
 C210 1-107-169-00 ■ MICA 100pF 5X 500V
 C212 1-123-611-00 ■ ELECT 1 20X 50V
 C213 1-123-611-00 ■ ELECT 1 20X 50V
 C302 1-102-114-00 ■ CERAMIC 470pF 10X 50V
 C305 1-124-462-00 ■ ELECT 10 20X 16V
 C309 1-102-106-00 ■ CERAMIC 100pF 10X 50V

CN301 1-506-748-11 ■ DIN 96P
 CN302 1-506-748-11 ■ DIN 96P

CV101 1-141-297-11 ■ TRIMMER, CERAMIC 90pF
 CV102 1-141-245-00 ■ TRIMMER, CERAMIC 30pF

D101 8-719-800-60 ■ LN25RF
 D102 8-719-911-19 ■ 1SS119
 D103 8-719-911-19 ■ 1SS119
 D104 8-719-911-19 ■ 1SS119
 D201 8-719-911-19 ■ 1SS119

D202 8-719-911-19 ■ 1SS119
 D203 8-719-911-19 ■ 1SS119
 D204 8-719-911-19 ■ 1SS119
 D205 8-719-911-19 ■ 1SS119
 D206 8-719-911-19 ■ 1SS119

Ref.No. Parts No. SP Description

D301 8-719-911-19 ■ 1SS119
 D302 8-719-911-19 ■ 1SS119
 D303 8-719-911-19 ■ 1SS119

IC1 8-759-902-44 ■ SN74LS244N (TI)
 IC2 8-759-902-45 ■ SN74LS245N (TI)
 IC3 8-759-902-44 ■ SN74LS244N (TI)
 IC4 8-759-942-12 ■ MM2212-2-25P (FUJITSU)
 IC5 8-752-321-00 ■ CXK5816PM-12L (SONY)

IC7 8-759-208-85 ■ TMP284C011AF (TOSHIBA)
 IC8 8-759-202-13 ■ TC74HC004P (TOSHIBA)
 IC9 8-759-600-61 ■ M54529AF (MITSUBISHI)
 IC10 8-759-202-16 ■ TC74HC11P (TOSHIBA)
 IC11 8-759-202-26 ■ TC74HC138P (TOSHIBA)

IC12 8-759-202-26 ■ TC74HC138P (TOSHIBA)
 IC13 8-759-202-17 ■ TC74HC14P (TOSHIBA)
 IC14 8-759-240-50 ■ TC04050RF (TOSHIBA)
 1) IC15 8-759-240-53 ■ TC04053RF (TOSHIBA)
 2) IC15 8-759-208-10 ■ TC04053RFB (TOSHIBA)

IC16 8-759-203-52 ■ TC74HC595P (TOSHIBA)
 IC17 8-759-004-84 ■ MC74HC597N (MOTOROLA)
 IC18 8-759-708-05 ■ NJM78L05A (JRC)
 IC19 8-759-908-23 ■ MB88303 (FUJITSU)
 IC20 8-759-926-30 ■ AM26LS30PC (ADVANCED MICRO DEVICES)

IC21 8-759-202-27 ■ TC74HC157P (TOSHIBA)
 IC22 8-759-202-27 ■ TC74HC157P (TOSHIBA)
 IC23 8-752-321-00 ■ CXK5816PM-12L (SONY)
 IC24 8-759-202-13 ■ TC74HC004P (TOSHIBA)
 IC25 8-759-729-03 ■ NJM2903D (JRC)

IC26 8-759-008-57 ■ MC34051P (MOTOROLA)
 IC27 8-759-208-85 ■ TMP284C011AF (TOSHIBA)
 IC28 8-759-202-56 ■ TC74HC245P (TOSHIBA)
 IC29 8-759-202-56 ■ TC74HC245P (TOSHIBA)
 IC30 8-759-939-03 ■ BU18430A (ROHM)

IC31 8-759-600-61 ■ M54529AF (MITSUBISHI)
 IC32 8-759-600-61 ■ M54529AF (MITSUBISHI)
 IC33 8-759-240-30 ■ TC04030RF (TOSHIBA)
 IC34 8-759-202-14 ■ TC74HC08P (TOSHIBA)
 IC35 8-759-906-97 ■ SN74LS697N (TI)

IC36 8-759-906-97 ■ SN74LS697N (TI)
 IC37 8-759-600-61 ■ M54529AF (MITSUBISHI)
 IC38 8-759-938-68 ■ CD1093Q (SONY)
 IC40 8-752-321-06 ■ CXK5864PM-12L (SONY)
 IC41 8-759-939-04 ■ BU18440A (ROHM)

IC42 8-759-202-21 ■ TC74HC32P (TOSHIBA)
 IC43 8-759-202-21 ■ TC74HC32P (TOSHIBA)
 IC44 8-759-202-11 ■ TC74HC00P (TOSHIBA)
 IC45 8-759-603-32 ■ M51958BL (MITSUBISHI)
 IC46 8-759-202-14 ■ TC74HC08P (TOSHIBA)

IC47 8-759-045-38 ■ MC145388CP (MOTOROLA)
 IC48 8-759-140-69 ■ uPD4069UBC (NEC)
 IC49 8-759-001-14 ■ MC74HC58N (MOTOROLA)
 IC50 8-759-202-21 ■ TC74HC32P (TOSHIBA)
 IC51 8-759-202-13 ■ TC74HC004P (TOSHIBA)

IC52 8-759-202-89 ■ TC74HC139P (TOSHIBA)
 IC53 8-759-202-12 ■ TC74HC02P (TOSHIBA)

LI 1-459-155-00 ■ 45 (WITH CORE)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

1) R247 1-127-666-31 s SHORT 0.01 1/6W
 R307 1-247-887-00 s CARBON 220k 5% 1/4W
 R315 1-247-887-00 s CARBON 220k 5% 1/4W

S101 1-570-707-11 s SLIDE
 S102 1-553-812-00 s PUSH
 S103 1-553-812-00 s PUSH
 S105 1-553-812-00 s PUSH
 S106 1-552-509-00 s DIP

S201 1-570-707-11 s SLIDE
 S202 1-570-707-11 s SLIDE
 S203 1-516-925-21 s DIP
 S204 1-516-925-21 s DIP
 S206 1-553-812-00 s PUSH

S302 1-552-509-00 s DIP

X1 1-567-132-00 s VIBRATOR 8.00MHz
 X2 1-567-870-11 s VIBRATOR 614.00kHz

SY-64P BOARD

A-6717-471-A o MOUNTED CIRCUIT BOARD, SY-64P

C1 1-126-103-11 s ELECT 470 20% 16V
 C3 1-124-135-00 s ELECT 470 20% 6.3V
 C7 1-124-462-00 s ELECT 10 20% 16V
 C9 1-124-462-00 s ELECT 10 20% 16V
 C11 1-124-462-00 s ELECT 10 20% 16V
 C12 1-124-242-00 s ELECT 33 20% 25V
 C13 1-124-242-00 s ELECT 33 20% 25V
 C15 1-124-462-00 s ELECT 10 20% 16V
 C16 1-123-611-00 s ELECT 1 20% 50V
 C18 1-124-462-00 s ELECT 10 20% 16V

C25 1-102-106-00 s CERAMIC 100pF 10% 50V
 C32 1-124-462-00 s ELECT 10 20% 16V
 C61 1-124-236-00 s ELECT 47 20% 16V
 C63 1-124-236-00 s ELECT 47 20% 16V
 C65 1-161-463-00 s CERAMIC 220pF 5% 50V

C66 1-161-463-00 s CERAMIC 220pF 5% 50V
 C67 1-124-462-00 s ELECT 10 20% 16V
 C68 1-124-236-00 s ELECT 47 20% 16V
 C71 1-124-465-00 s ELECT 0.47 20% 50V
 C72 1-162-889-11 s CERAMIC 680pF 5% 50V

C74 1-161-463-00 s CERAMIC 220pF 5% 50V
 C75 1-102-106-00 s CERAMIC 100pF 10% 50V
 C124 1-102-114-00 s CERAMIC 470pF 10% 50V
 C302 1-124-462-00 s ELECT 10 20% 16V
 C305 1-124-462-00 s ELECT 10 20% 16V

C309 1-162-880-11 s CERAMIC 120pF 5% 50V
 C312 1-124-462-00 s ELECT 10 20% 16V
 C313 1-162-880-11 s CERAMIC 120pF 5% 50V
 C314 1-124-462-00 s ELECT 10 20% 16V
 C315 1-124-236-00 s ELECT 47 20% 16V

Ref.No. Parts No. SP Description

C316 1-162-880-11 s CERAMIC 120pF 5% 50V
 C318 1-124-236-00 s ELECT 47 20% 16V
 C319 1-124-236-00 s ELECT 47 20% 16V
 C352 1-102-106-00 s CERAMIC 100pF 10% 50V
 C401 1-129-794-00 s FILM 0.0033 5% 100V

C404 1-162-887-11 s CERAMIC 470pF 5% 50V
 C405 1-124-224-00 s ELECT 47 20% 6.3V
 C406 1-130-720-00 s FILM 0.0015 5% 100V
 C409 1-162-885-11 s CERAMIC 330pF 5% 50V
 C410 1-124-224-00 s ELECT 47 20% 6.3V

C412 1-123-611-00 s ELECT 1 20% 50V
 C413 1-124-257-00 s ELECT 2.2 20% 50V
 C414 1-124-236-00 s ELECT 47 20% 16V

CN303 1-506-748-11 s DIN 96P
 CN304 1-506-748-11 s DIN 96P
 CN305 1-566-311-11 s DIN 10P

D2 8-719-200-02 s 10E2
 D3 8-719-200-02 s 10E2
 D4 8-719-200-02 s 10E2
 D5 8-719-200-02 s 10E2
 D6 8-719-200-02 s 10E2

D17 8-719-200-02 s 10E2
 D18 8-719-200-02 s 10E2
 D19 8-719-911-19 s 1S8119
 D20 8-719-911-19 s 1S8119
 D21 8-719-911-19 s 1S8119

D302 8-719-101-97 s 1S897-1
 D303 8-719-101-97 s 1S897-1
 D304 8-719-911-19 s 1S8119
 D305 8-719-911-19 s 1S8119
 D306 8-719-911-19 s 1S8119
 D307 8-719-911-19 s 1S8119

IC1 8-743-430-00 s BX343 (SONY)
 IC2 8-759-800-72 s LA7205 (SANYO)
 IC3 8-759-800-72 s LA7205 (SANYO)
 IC4 8-759-114-14 s uPD78312CN-608 (NEC)
 IC5 8-759-007-40 s TL082CP (TI)

7) IC6 8-759-240-16 s TC4016BP (TOSHIBA)
 8) IC6 8-759-208-12 s TC4016BPUB (TOSHIBA)
 IC7 8-759-007-40 s TL082CP (TI)
 IC9 8-759-942-18 s TLC548CP (TI)
 IC10 8-759-203-35 s TC74HC373P (TOSHIBA)

IC11 8-752-321-00 s CKX5816PW-12L (SONY)
 IC12 8-759-340-46 s HP14046SP (RITACHI)
 IC15 8-759-990-84 s TL084CN (TI)
 IC16 8-759-990-84 s TL084CN (TI)
 IC17 8-759-007-40 s TL082CP (TI)

IC18 8-759-400-06 s AN608P (MATSUSHITA)
 IC19 8-759-912-64 s PA0009 (PIONEER)
 IC20 8-759-901-23 s SN74LS123N (TI)
 IC21 8-759-202-74 s TC74HC04P (TOSHIBA)
 IC22 8-752-321-00 s CKX5816PW-12L (SONY)

IC23 8-759-202-55 s TC74HC244P (TOSHIBA)
 IC24 8-759-909-16 s CX7907A (SONY)
 IC25 8-759-901-23 s SN74LS123N (TI)
 IC26 8-759-240-50 s TC4050BP (TOSHIBA)
 IC27 8-759-202-11 s TC74HC00P (TOSHIBA)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

IC28 8-759-202-56 # TC74HC245P (TOSHIBA)
 IC29 8-759-001-14 # MC74HC58N (MOTOROLA)
 IC30 8-759-205-56 # TA7267P (TOSHIBA)
 IC31 8-759-205-56 # TA7267P (TOSHIBA)
 IC32 8-759-245-38 # TC4538BP (TOSHIBA)

IC33 8-759-202-14 # TC74HC08P (TOSHIBA)
 IC34 8-759-202-21 # TC74HC32P (TOSHIBA)
 IC35 8-759-240-01 # TC4001BP (TOSHIBA)
 IC36 8-759-205-76 # TC504013BP (TOSHIBA)
 IC37 8-759-600-34 # M54532P (MITSUBISHI)

IC38 8-759-202-14 # TC74HC08P (TOSHIBA)
 IC39 8-759-202-37 # TC74HC4050P (TOSHIBA)
 IC40 8-759-938-68 # CXD1095Q (SONY)
 IC41 8-759-202-14 # TC74HC08P (TOSHIBA)
 IC42 8-752-321-00 # CXK5816PM-12L (SONY)

IC43 8-759-202-33 # TC74HC240P (TOSHIBA)
 IC44 8-759-910-76 # CX7913A (SONY)
 IC45 8-759-645-23 # M54523P (MITSUBISHI)
 IC46 8-759-938-68 # CXD1095Q (SONY)
 IC47 8-759-938-68 # CXD1095Q (SONY)

IC48 8-759-202-74 # TC74HC04P (TOSHIBA)
 IC49 8-752-321-00 # CXK5816PM-12L (SONY)
 IC50 8-759-202-55 # TC74HC244P (TOSHIBA)
 IC51 8-759-909-72 # CX7912A (SONY)
 IC52 8-759-202-37 # TC74HC4050P (TOSHIBA)

IC53 8-759-205-76 # TC504013BP (TOSHIBA)
 IC54 8-759-203-83 # TC74HC4538P (TOSHIBA)
 IC55 8-759-240-71 # TC4071BP (TOSHIBA)

L1 1-459-155-00 # 45 (WITH CORE)
 L301 1-410-482-31 # MICRO 100
 L302 1-410-482-31 # MICRO 100

Q1 8-729-600-27 # 28C6348P
 Q2 8-729-117-54 # 28A1175
 Q4 8-729-600-27 # 28C6348P
 Q301 8-729-600-27 # 28C6348P
 Q302 8-729-201-05 # 28C2878-B

Q303 8-729-201-05 # 28C2878-B
 Q304 8-729-201-05 # 28C2878-B
 Q305 8-729-201-05 # 28C2878-B

R223 1-247-849-00 # CARBON 5.6k 5% 1/4W
 R227 1-247-849-00 # CARBON 5.6k 5% 1/4W
 R324 1-247-849-00 # CARBON 5.6k 5% 1/4W

RB301 1-231-387-00 # NETTY
 RB302 1-231-387-00 # NETTY

RV303 1-237-521-21 # VAR, CERMET 100k
 RV304 1-237-521-21 # VAR, CERMET 100k
 RV305 1-237-521-21 # VAR, CERMET 100k
 RV399 1-237-521-21 # VAR, CERMET 100k

Ref.No. Parts No. SP Description

S1 1-571-060-11 # SLIDE
 S2 1-570-707-11 # SLIDE
 S3 1-570-707-11 # SLIDE
 S4 1-570-707-11 # SLIDE
 S6 1-570-707-11 # SLIDE

S7 1-570-707-11 # SLIDE
 S301 1-552-509-00 # DIP
 S302 1-552-509-00 # DIP

X1 1-567-867-11 # 14.500MHz
 X301 1-527-828-00 # 12.000MHz

B) TBC-7D BOARD

A-6727-094-A o MOUNTED CIRCUIT BOARD, TBC-7D

C100 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C102 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C103 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C105 1-135-076-21 # TANTAL 1 10% 35V
 C108 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C110 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C111 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C115 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C121 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C124 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V

C125 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C126 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C128 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C130 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C135 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V

C205 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C206 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C209 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C211 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C213 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V

C217 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C219 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C221 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C225 1-162-568-11 # CERAMIC CHIP 0.33 25V
 C226 1-162-638-11 # CERAMIC CHIP 1 16V

C227 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C228 1-162-568-11 # CERAMIC CHIP 0.33 25V
 C229 1-162-638-11 # CERAMIC CHIP 1 16V
 C231 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C234 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V

C236 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C242 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C243 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C245 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C246 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V

C248 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C253 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C254 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C255 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V
 C259 1-163-037-11 # CERAMIC CHIP 0.022 10% 25V

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
C263	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C265	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C270	1-162-638-11	■	CERAMIC CHIP 1 16V
C271	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C273	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C276	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C277	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C281	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C284	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C288	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C290	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C291	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C293	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C295	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C302	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C400	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C402	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C403	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C405	1-135-076-21	■	TANTAL 1 10X 35V
C408	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C412	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C418	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C419	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C421	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C422	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C424	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C504	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C509	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C511	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C521	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C522	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C524	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C526	1-162-638-11	■	CERAMIC CHIP 1 16V
C527	1-162-568-11	■	CERAMIC CHIP 0.33 25V
C529	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C531	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C533	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C535	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C536	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C537	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C540	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C542	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C545	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C548	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C550	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C555	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C558	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C559	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C566	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C569	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C575	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C578	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C581	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C583	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C600	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C611	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C612	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C613	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C615	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C651	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V

Ref.No.	Parts No.	SP	Description
C701	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C704	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C706	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C708	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C750	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C801	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C804	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C805	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C807	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C902	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C905	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C908	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C911	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C914	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C917	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C920	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C923	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C926	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C929	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C932	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C935	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
CN108	1-506-746-11	■	DIN 48P
CN109	1-506-748-11	■	DIN 96P
D100	8-719-105-82	■	RD5.1M-B2
D200	8-719-106-08	■	RD6.2M-B2
D202	8-719-915-43	■	FC54M
D203	8-719-915-43	■	FC54M
D204	8-719-915-43	■	FC54M
D205	8-719-938-98	■	FC51M
D206	8-719-938-98	■	FC51M
D207	8-719-938-98	■	FC51M
D208	8-719-101-23	■	1S8123
D209	8-719-100-03	■	1S2835
D210	8-719-105-82	■	RD5.1M-B2
D211	8-719-106-53	■	RD10M-B2
D212	8-719-938-98	■	FC51M
D213	8-719-938-98	■	FC51M
D214	8-719-100-03	■	1S2835
D400	8-719-105-82	■	RD5.1M-B2
D503	8-719-915-43	■	FC54M
D504	8-719-915-43	■	FC54M
D505	8-719-915-43	■	FC54M
D506	8-719-101-23	■	1S8123
D507	8-719-106-62	■	RD11M-B2
D508	8-719-105-82	■	RD5.1M-B2
D650	8-719-106-17	■	RD6.8M-B2
D680	8-719-101-23	■	1S8123
D700	8-719-100-03	■	1S2835
D704	8-719-105-82	■	RD5.1M-B2
D705	8-719-105-73	■	RD4.7M-B2
D706	8-719-101-23	■	1S8123
D707	8-719-106-17	■	RD6.8M-B2
DL500	1-415-309-00	■	350ns

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
FL100	1-236-006-13	•	LOW-PASS 7.0MHz
FL400	1-236-162-11	•	LOW-PASS 4.2MHz

IC101	8-749-901-45	•	SBX4002-01 (NEC)
IC102	8-759-914-44	•	TL431CLPB (TI)
IC103	8-759-908-17	•	TL082CPS (TI)
IC105	8-752-032-55	•	CKA1096M (SONY)
IC108	8-759-948-32	•	CXD1310AM (SONY)

IC201	8-759-201-47	•	TA7357AP (TOSHIBA)
IC203	8-759-941-27	•	MB4002PF (FUJITSU)
IC205	8-759-941-27	•	MB4002PF (FUJITSU)
IC206	8-759-907-81	•	SN74LS221NS (TI)
IC207	8-759-908-17	•	TL082CPS (TI)

IC208	8-759-941-17	•	SN74LS06NS (TI)
IC209	8-759-012-00	•	MC10H116M (MOTOROLA)
IC210	8-759-012-13	•	MC10H125M (MOTOROLA)
IC211	8-759-230-23	•	CXD1045AQ (SONY)
IC212	8-749-901-21	•	BX1461 (SONY)

IC213	8-759-908-17	•	TL082CPS (TI)
IC214	8-759-945-29	•	TL601CPS (TI)
IC215	8-759-907-81	•	SN74LS221NS (TI)
IC216	8-749-901-20	•	BX1460 (SONY)
IC217	8-759-105-49	•	uPC319G2 (NEC)

IC218	8-759-205-21	•	TC74HC221F (TOSHIBA)
IC219	8-759-205-06	•	TC74HC74F (TOSHIBA)
IC220	8-759-908-17	•	TL082CPS (TI)
IC221	8-759-945-29	•	TL601CPS (TI)
IC222	8-759-100-97	•	uPC319G2 (NEC)

IC223	8-759-205-08	•	TC74HC86F (TOSHIBA)
IC224	8-759-204-98	•	TC74HC08F (TOSHIBA)
IC225	8-759-908-17	•	TL082CPS (TI)
IC226	8-759-945-29	•	TL601CPS (TI)
IC228	8-759-908-17	•	TL082CPS (TI)

IC231	8-759-204-98	•	TC74HC08F (TOSHIBA)
IC232	8-759-945-29	•	TL601CPS (TI)
IC234	8-759-205-17	•	TC74HC174F (TOSHIBA)
IC235	8-759-205-12	•	TC74HC157F (TOSHIBA)
IC236	8-759-205-12	•	TC74HC157F (TOSHIBA)

IC237	8-759-908-17	•	TL082CPS (TI)
IC238	8-759-907-81	•	SN74LS221NS (TI)
IC239	8-759-204-94	•	TC74HC00F (TOSHIBA)
IC240	8-759-945-29	•	TL601CPS (TI)
IC241	8-759-100-93	•	uPC393G2 (NEC)

IC401	8-749-901-45	•	SBX4002-01 (NEC)
IC403	8-752-032-55	•	CKA1096M (SONY)
IC404	8-759-948-32	•	CXD1310AM (SONY)
IC501	8-759-204-94	•	TC74HC00F (TOSHIBA)
IC502	8-759-201-47	•	TA7357AP (TOSHIBA)

IC504	8-759-908-17	•	TL082CPS (TI)
IC505	8-759-941-17	•	SN74LS06NS (TI)
IC506	8-759-012-13	•	MC10H125M (MOTOROLA)
IC507	8-759-230-23	•	CXD1045AQ (SONY)
IC508	8-749-901-21	•	BX1461 (SONY)

IC509	8-759-908-17	•	TL082CPS (TI)
IC510	8-759-945-29	•	TL601CPS (TI)
IC511	8-749-901-20	•	BX1460 (SONY)
IC512	8-759-907-81	•	SN74LS221NS (TI)
IC513	8-759-941-27	•	MB4002PF (FUJITSU)

Ref.No.	Parts No.	SP	Description
IC514	8-759-945-29	•	TL601CPS (TI)
IC516	8-759-908-17	•	TL082CPS (TI)
IC517	8-759-908-17	•	TL082CPS (TI)
IC519	8-759-205-08	•	TC74HC86F (TOSHIBA)
IC520	8-759-945-29	•	TL601CPS (TI)

IC522	8-759-105-49	•	uPC319G2 (NEC)
IC523	8-759-908-17	•	TL082CPS (TI)
IC610	8-759-914-44	•	TL431CLPB (TI)
IC611	8-759-908-17	•	TL082CPS (TI)
IC650	8-759-941-27	•	MB4002PF (FUJITSU)

IC700	8-759-945-29	•	TL601CPS (TI)
IC701	8-752-015-81	•	CK20158 (SONY)
IC702	8-757-930-11	•	CK7930A (SONY)
IC720	8-759-204-98	•	TC74HC08F (TOSHIBA)
IC801	8-752-015-81	•	CK20158 (SONY)

L102	1-410-470-11	•	MICRO 10
L103	1-410-470-11	•	MICRO 10
L104	1-410-470-11	•	MICRO 10
L205	1-408-880-00	•	MICRO 0.68
L214	1-410-492-11	•	MICRO 680

L219	1-410-461-41	•	MICRO 1.8
L402	1-410-470-11	•	MICRO 10
L403	1-410-470-11	•	MICRO 10
L406	1-410-470-11	•	MICRO 10
L508	1-408-880-00	•	MICRO 0.68

L900	1-421-329-00	•	CHOKO
L901	1-421-329-00	•	CHOKO
L902	1-421-329-00	•	CHOKO
L903	1-421-329-00	•	CHOKO
L904	1-421-329-00	•	CHOKO

L905	1-421-329-00	•	CHOKO
L906	1-421-329-00	•	CHOKO
L907	1-421-329-00	•	CHOKO
L908	1-421-329-00	•	CHOKO
L909	1-421-329-00	•	CHOKO

L910	1-421-329-00	•	CHOKO
L911	1-421-329-00	•	CHOKO

LV200	1-407-563-00	•	VAR 1
LV201	1-407-564-00	•	VAR 1.5
LV500	1-407-563-00	•	VAR 1

Q100	8-729-100-66	•	28C1623
Q101	8-729-106-68	•	28D1615A-GP
Q102	8-729-106-60	•	28B1115A
Q103	8-729-102-07	•	28C2223-F13
Q104	8-729-102-07	•	28C2223-F13

Q105	8-729-109-43	•	28K94-K3
Q106	8-729-102-07	•	28C2223-F13
Q201	8-729-100-66	•	28C1623
Q203	8-729-100-66	•	28C1623
Q204	8-729-100-66	•	28C1623

Q205	8-729-100-66	•	28C1623
Q206	8-729-100-66	•	28C1623
Q207	8-729-100-66	•	28C1623
Q208	8-729-109-43	•	28K94-K3
Q211	8-729-102-07	•	28C2223-F13

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q212 8-729-102-07 # 25C2223-F13
 Q213 8-729-109-43 # 28K94-X3
 Q214 8-729-102-07 # 25C2223-F13
 Q215 8-729-100-76 # 28A812
 Q220 8-729-109-43 # 28K94-X3

Q221 8-729-109-43 # 28K94-X3
 Q222 8-729-202-38 # 25C3326N
 Q223 8-729-800-44 # 2K152-4
 Q224 8-729-900-53 # DTC114EK
 Q225 8-729-900-53 # DTC114EK

Q226 8-729-900-53 # DTC114EK
 Q227 8-729-900-53 # DTC114EK
 Q228 8-729-900-53 # DTC114EK
 Q229 8-729-202-38 # 25C3326N
 Q230 8-729-202-38 # 25C3326N

Q400 8-729-100-66 # 25C1623
 Q401 8-729-102-07 # 25C2223-F13
 Q402 8-729-102-07 # 25C2223-F13
 Q403 8-729-109-43 # 28K94-X3
 Q404 8-729-102-07 # 25C2223-F13

Q500 8-729-100-66 # 25C1623
 Q501 8-729-100-66 # 25C1623
 Q503 8-729-100-66 # 25C1623
 Q504 8-729-100-66 # 25C1623
 Q505 8-729-100-66 # 25C1623

Q512 8-729-102-07 # 25C2223-F13
 Q513 8-729-109-43 # 28K94-X3
 Q514 8-729-102-07 # 25C2223-F13
 Q515 8-729-102-07 # 25C2223-F13
 Q516 8-729-100-76 # 28A812

Q610 8-729-106-68 # 25D1615A-SP
 Q611 8-729-106-60 # 28B115A
 Q680 8-729-109-43 # 28K94-X3
 Q681 8-729-100-66 # 25C1623
 Q800 8-729-109-43 # 28K94-X3

Q801 8-729-109-43 # 28K94-X3
 Q802 8-729-100-66 # 25C1623
 Q803 8-729-109-43 # 28K94-X3

R101 1-216-651-11 # METAL CHIP 1k 0.50% 1/10W
 R105 1-216-639-11 # METAL CHIP 330 0.50% 1/10W
 R106 1-216-639-11 # METAL CHIP 330 0.50% 1/10W
 R107 1-216-641-11 # METAL CHIP 390 0.50% 1/10W
 R111 1-216-659-11 # METAL CHIP 2.2k 0.50% 1/10W

R114 1-216-675-11 # METAL CHIP 10k 0.50% 1/10W
 R115 1-216-675-11 # METAL CHIP 10k 0.50% 1/10W
 R139 1-216-655-11 # METAL CHIP 1.5k 0.50% 1/10W
 R140 1-216-653-11 # METAL CHIP 1.2k 0.50% 1/10W
 R142 1-216-018-11 # CHIP 51 5% 1/10W

R149 1-216-659-11 # METAL CHIP 2.2k 0.50% 1/10W
 R205 1-216-665-11 # METAL CHIP 3.9k 0.50% 1/10W
 R213 1-216-653-11 # METAL CHIP 1.2k 0.50% 1/10W
 R218 1-216-669-11 # METAL CHIP 5.6k 0.50% 1/10W
 R219 1-216-691-11 # METAL CHIP 47k 0.50% 1/10W

R220 1-216-674-11 # METAL CHIP 9.1k 0.50% 1/10W
 R222 1-216-660-11 # METAL CHIP 2.4k 0.50% 1/10W
 R249 1-216-682-11 # METAL CHIP 20k 0.50% 1/10W
 R250 1-216-669-11 # METAL CHIP 5.6k 0.50% 1/10W
 R251 1-216-682-11 # METAL CHIP 20k 0.50% 1/10W

Ref.No. Parts No. SP Description

R252 1-216-671-11 # METAL CHIP 6.8k 0.50% 1/10W
 R254 1-216-695-11 # METAL CHIP 68k 0.50% 1/10W
 R258 1-216-671-11 # METAL CHIP 6.8k 0.50% 1/10W
 R259 1-216-659-11 # METAL CHIP 2.2k 0.50% 1/10W
 R264 1-216-683-11 # METAL CHIP 22k 0.50% 1/10W

R267 1-216-665-11 # METAL CHIP 3.9k 0.50% 1/10W
 R270 1-216-675-11 # METAL CHIP 10k 0.50% 1/10W
 R271 1-216-680-11 # METAL CHIP 16k 0.50% 1/10W
 R272 1-216-681-11 # METAL CHIP 18k 0.50% 1/10W
 R276 1-216-671-11 # METAL CHIP 6.8k 0.50% 1/10W

R288 1-216-667-11 # METAL CHIP 4.7k 0.50% 1/10W
 R293 1-216-667-11 # METAL CHIP 4.7k 0.50% 1/10W
 R294 1-216-675-11 # METAL CHIP 10k 0.50% 1/10W
 R296 1-216-669-11 # METAL CHIP 5.6k 0.50% 1/10W
 R302 1-216-655-11 # METAL CHIP 1.5k 0.50% 1/10W

R303 1-216-645-11 # METAL CHIP 560 0.50% 1/10W
 R304 1-216-018-00 # CHIP 51 5% 1/10W
 R312 1-216-649-11 # METAL CHIP 820 0.50% 1/10W
 R313 1-216-661-11 # METAL CHIP 2.7k 0.50% 1/10W
 R314 1-216-686-11 # METAL CHIP 30k 0.50% 1/10W

R316 1-216-683-11 # METAL CHIP 22k 0.50% 1/10W
 R317 1-216-683-11 # METAL CHIP 22k 0.50% 1/10W
 R330 1-216-675-11 # METAL CHIP 10k 0.50% 1/10W
 R338 1-216-659-11 # METAL CHIP 2.2k 0.50% 1/10W
 R340 1-216-675-11 # METAL CHIP 10k 0.50% 1/10W

R341 1-216-659-11 # METAL CHIP 2.2k 0.50% 1/10W
 R348 1-216-681-11 # METAL CHIP 18k 0.50% 1/10W
 R353 1-216-662-11 # METAL CHIP 3k 0.50% 1/10W
 R354 1-216-665-11 # METAL CHIP 3.9k 0.50% 1/10W
 R355 1-216-693-11 # METAL CHIP 56k 0.50% 1/10W

R356 1-216-672-11 # METAL CHIP 7.5k 0.50% 1/10W
 R357 1-216-677-11 # METAL CHIP 12k 0.50% 1/10W
 R358 1-216-673-11 # METAL CHIP 8.2k 0.50% 1/10W
 R359 1-216-679-11 # METAL CHIP 15k 0.50% 1/10W
 R360 1-216-679-11 # METAL CHIP 15k 0.50% 1/10W

R361 1-216-672-11 # METAL CHIP 7.5k 0.50% 1/10W
 R367 1-216-683-11 # METAL CHIP 22k 0.50% 1/10W
 R368 1-216-651-11 # METAL CHIP 1k 0.50% 1/10W
 R371 1-216-652-11 # METAL CHIP 1.1k 0.50% 1/10W
 R372 1-216-671-11 # METAL CHIP 6.8k 0.50% 1/10W

R375 1-216-651-11 # METAL CHIP 1k 0.50% 1/10W
 R376 1-216-679-11 # METAL CHIP 15k 0.50% 1/10W
 R379 1-216-685-11 # METAL CHIP 27k 0.50% 1/10W
 R380 1-216-666-11 # METAL CHIP 4.3k 0.50% 1/10W
 R401 1-216-651-11 # METAL CHIP 1k 0.50% 1/10W

R405 1-216-639-11 # METAL CHIP 330 0.50% 1/10W
 R406 1-216-639-11 # METAL CHIP 330 0.50% 1/10W
 R407 1-216-643-11 # METAL CHIP 470 0.50% 1/10W
 R411 1-216-663-11 # METAL CHIP 3.3k 0.50% 1/10W
 R412 1-216-669-11 # METAL CHIP 5.6k 0.50% 1/10W

R426 1-216-677-11 # METAL CHIP 12k 0.50% 1/10W
 R431 1-216-635-11 # METAL CHIP 1.5k 0.50% 1/10W
 R432 1-216-635-11 # METAL CHIP 1.2k 0.50% 1/10W
 R433 1-216-018-00 # CHIP 51 5% 1/10W
 R438 1-216-659-11 # METAL CHIP 2.2k 0.50% 1/10W

R507 1-216-634-11 # METAL CHIP 200 0.50% 1/10W
 R509 1-216-635-11 # METAL CHIP 220 0.50% 1/10W
 R510 1-216-635-11 # METAL CHIP 220 0.50% 1/10W
 R511 1-216-655-11 # METAL CHIP 1.5k 0.50% 1/10W
 R512 1-216-651-11 # METAL CHIP 1k 0.50% 1/10W

Parts that are not listed in the "Reference Number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
R513	1-216-619-11	■	METAL CHIP 47 0.50X 1/10W
R517	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W
R518	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W
R522	1-216-691-11	■	METAL CHIP 47k 0.50X 1/10W
R523	1-216-699-11	■	METAL CHIP 100k 0.50X 1/10W
R527	1-216-674-11	■	METAL CHIP 9.1k 0.50X 1/10W
R528	1-216-660-11	■	METAL CHIP 2.4k 0.50X 1/10W
R535	1-216-682-11	■	METAL CHIP 20k 0.50X 1/10W
R536	1-216-667-11	■	METAL CHIP 4.7k 0.50X 1/10W
R541	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R543	1-216-671-11	■	METAL CHIP 6.8k 0.50X 1/10W
R544	1-216-671-11	■	METAL CHIP 6.8k 0.50X 1/10W
R545	1-216-659-11	■	METAL CHIP 2.2k 0.50X 1/10W
R547	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R548	1-216-665-11	■	METAL CHIP 3.9k 0.50X 1/10W
R549	1-216-698-11	■	METAL CHIP 91k 0.50X 1/10W
R550	1-216-680-11	■	METAL CHIP 16k 0.50X 1/10W
R551	1-216-681-11	■	METAL CHIP 18k 0.50X 1/10W
R552	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R553	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R565	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W
R566	1-216-661-11	■	METAL CHIP 2.7k 0.50X 1/10W
R567	1-216-686-11	■	METAL CHIP 30k 0.50X 1/10W
R570	1-216-669-11	■	METAL CHIP 5.6k 0.50X 1/10W
R571	1-216-687-11	■	METAL CHIP 33k 0.50X 1/10W
R581	1-216-634-11	■	METAL CHIP 200 0.50X 1/10W
R585	1-216-645-11	■	METAL CHIP 560 0.50X 1/10W
R586	1-216-655-11	■	METAL CHIP 1.5k 0.50X 1/10W
R587	1-216-018-00	■	CHIP 51 5X 1/10W
R594	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R595	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R597	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R599	1-216-681-11	■	METAL CHIP 18k 0.50X 1/10W
R601	1-216-663-11	■	METAL CHIP 3.3k 0.50X 1/10W
R605	1-216-691-11	■	METAL CHIP 47k 0.50X 1/10W
R611	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R612	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R704	1-216-677-11	■	METAL CHIP 12k 0.50X 1/10W
R708	1-216-663-11	■	METAL CHIP 5.3k 0.50X 1/10W
R709	1-216-652-11	■	METAL CHIP 1.1k 0.50X 1/10W
R710	1-216-673-11	■	METAL CHIP 8.2k 0.50X 1/10W
R717	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R718	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R719	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R720	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R807	1-216-663-11	■	METAL CHIP 3.3k 0.50X 1/10W
R816	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R817	1-216-668-11	■	METAL CHIP 5.1k 0.50X 1/10W
RV100	1-237-515-21	■	VAR, CERMET 1k
RV101	1-237-514-21	■	VAR, CERMET 500
RV102	1-237-515-21	■	VAR, CERMET 1k
RV103	1-237-515-21	■	VAR, CERMET 1k
RV200	1-237-517-21	■	VAR, CERMET 5k
RV201	1-237-516-21	■	VAR, CERMET 2k
RV202	1-230-847-11	■	VAR, CERMET 500k
RV203	1-237-518-21	■	VAR, CERMET 10k
RV400	1-237-514-21	■	VAR, CERMET 500
RV401	1-237-516-21	■	VAR, CERMET 2k

Ref.No.	Parts No.	SP	Description
RV402	1-237-515-21	■	VAR, CERMET 1k
RV500	1-237-516-21	■	VAR, CERMET 2k
RV501	1-237-516-21	■	VAR, CERMET 2k
RV502	1-237-517-21	■	VAR, CERMET 5k
RV503	1-237-518-21	■	VAR, CERMET 10k
RV610	1-237-515-21	■	VAR, CERMET 1k
S101	1-553-977-00	■	SLIDE
S200	1-553-977-00	■	SLIDE
TH201	1-800-198-XX	■	S-1K
TH202	1-800-202-XX	■	S-10K
TH501	1-800-198-XX	■	S-1K
TH502	1-800-202-XX	■	S-10K
7) TBC-7P BOARD			
A-6711-888-B o MOUNTED CIRCUIT BOARD, TBC-7P			
C100	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C102	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C103	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C105	1-135-076-21	■	TANTAL CHIP 1 10X 35V
C108	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C110	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C111	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C115	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C121	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C124	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C125	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C126	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C128	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C130	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C205	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C206	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C209	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C211	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C213	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C217	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C219	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C221	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C225	1-162-568-11	■	CERAMIC CHIP 0.33 25V
C226	1-162-638-11	■	CERAMIC CHIP 1 16V
C227	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C228	1-162-568-11	■	CERAMIC CHIP 0.33 25V
C229	1-162-638-11	■	CERAMIC CHIP 1 16V
C231	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C234	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C236	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C242	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C243	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C245	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C246	1-163-033-00	■	CERAMIC CHIP 0.022 50V
C248	1-163-033-00	■	CERAMIC CHIP 0.022 50V

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description		Ref.No.	Parts No.	SP	Description	
C253	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C706	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C254	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C708	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C255	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C750	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C259	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C801	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C263	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C804	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C265	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C807	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C270	1-162-638-11	#	CERAMIC CHIP 1	16V	C902	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C271	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C905	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C273	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C908	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C276	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C911	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C277	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C914	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C281	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C917	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C284	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C920	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C286	1-124-462-00	#	ELECT 10	20Z	C923	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C288	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C926	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C290	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C929	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C291	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C932	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C293	1-163-033-00	#	CERAMIC CHIP 0.022	50V	C935	1-163-033-00	#	CERAMIC CHIP 0.022	50V
C295	1-163-033-00	#	CERAMIC CHIP 0.022	50V					
C400	1-163-033-00	#	CERAMIC CHIP 0.022	50V	CN108	1-506-746-11	#	DIN 48P	
C402	1-163-033-00	#	CERAMIC CHIP 0.022	50V	CN109	1-506-748-11	#	DIN 96P	
C403	1-163-033-00	#	CERAMIC CHIP 0.022	50V					
C405	1-135-076-21	#	TANTAL CHIP 1	10Z					
C408	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D1	8-719-101-23	#	1S8123	
C412	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D100	8-719-105-82	#	RD5.1M-B2	
C418	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D200	8-719-106-08	#	RD6.2M	
C419	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D202	8-719-915-43	#	FC54M	
C421	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D203	8-719-915-43	#	FC54M	
C422	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D204	8-719-915-43	#	FC54M	
C504	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D205	8-719-938-98	#	FC51M	
C505	1-124-462-00	#	ELECT 10	20Z	D206	8-719-938-98	#	FC51M	
C509	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D207	8-719-938-98	#	FC51M	
C511	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D208	8-719-101-23	#	1S8123	
C521	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D209	8-719-100-03	#	1S2835	
C522	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D210	8-719-105-82	#	RD5.1M-B2	
C524	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D211	8-719-106-62	#	RD11M-B2	
C526	1-162-638-11	#	CERAMIC CHIP 1	16V	D212	8-719-938-98	#	FC51M	
C527	1-162-568-11	#	CERAMIC CHIP 0.33	25V	D213	8-719-938-98	#	FC51M	
C529	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D400	8-719-105-82	#	RD5.1M-B2	
C531	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D503	8-719-915-43	#	FC54M	
C533	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D504	8-719-915-43	#	FC54M	
C535	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D505	8-719-915-43	#	FC54M	
C536	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D506	8-719-101-23	#	1S8123	
C537	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D507	8-719-106-62	#	RD11M-B2	
C540	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D508	8-719-105-82	#	RD5.1M-B2	
C542	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D650	8-719-106-17	#	RD6.8M-B2	
C545	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D680	8-719-101-23	#	1S8123	
C548	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D700	8-719-100-03	#	1S2835	
C550	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D704	8-719-105-82	#	RD5.1M-B2	
C555	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D705	8-719-105-64	#	RD4.3M-B2	
C558	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D706	8-719-101-23	#	1S8123	
C559	1-163-033-00	#	CERAMIC CHIP 0.022	50V	D707	8-719-106-17	#	RD6.8M-B2	
C566	1-163-033-00	#	CERAMIC CHIP 0.022	50V					
C569	1-163-033-00	#	CERAMIC CHIP 0.022	50V	DL500	1-415-309-00	#	350ms	
C575	1-163-033-00	#	CERAMIC CHIP 0.022	50V					
C578	1-163-033-00	#	CERAMIC CHIP 0.022	50V	FL100	1-236-006-13	#	LOW-PASS 7.0MHz	
C581	1-163-033-00	#	CERAMIC CHIP 0.022	50V	FL400	1-236-162-11	#	LOW-PASS 4.2MHz	
C600	1-163-033-00	#	CERAMIC CHIP 0.022	50V					
C611	1-163-033-00	#	CERAMIC CHIP 0.022	50V					
C612	1-163-033-00	#	CERAMIC CHIP 0.022	50V					
C613	1-163-033-00	#	CERAMIC CHIP 0.022	50V					
C615	1-163-033-00	#	CERAMIC CHIP 0.022	50V					
C651	1-163-033-00	#	CERAMIC CHIP 0.022	50V					
C701	1-163-033-00	#	CERAMIC CHIP 0.022	50V					
C704	1-163-033-00	#	CERAMIC CHIP 0.022	50V					

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Ref.No. Parts No. SP Description

IC101	8-749-901-45	■	SBX4002-01 (NEC)
IC102	8-759-914-44	■	TL431CLPB (TI)
IC103	8-759-908-17	■	TL082CPS (TI)
IC105	8-752-035-55	■	CXA1096M (SONY)
IC108	8-759-948-32	■	CXD1310AM (SONY)
IC201	8-759-201-47	■	TA7357AP (TOSHIBA)
IC203	8-759-941-27	■	MB4002PF (FUJITSU)
IC205	8-759-941-27	■	MB4002PF (FUJITSU)
IC206	8-759-907-81	■	SN74LS221NS (TI)
IC207	8-759-908-17	■	TL082CPS (TI)
IC208	8-759-941-17	■	SN74LS06NS (TI)
IC209	8-759-012-00	■	MC10H116M (MOTOROLA)
IC210	8-759-012-13	■	MC10H125M (MOTOROLA)
IC211	8-759-230-23	■	CXD1045AQ (SONY)
IC212	8-749-901-21	■	BX1461 (SONY)
IC213	8-759-908-17	■	TL082CPS (TI)
IC214	8-759-945-29	■	TL601CPS (TI)
IC215	8-759-907-81	■	SN74LS221NS (TI)
IC216	8-749-901-20	■	BX1460 (SONY)
IC217	8-759-105-49	■	uPC319G2 (NEC)
IC218	8-759-205-21	■	TC74HC221F (TOSHIBA)
IC219	8-759-205-06	■	TC74HC74F (TOSHIBA)
IC220	8-759-908-17	■	TL082CPS (TI)
IC221	8-759-945-29	■	TL601CPS (TI)
IC222	8-759-100-97	■	uPC339G2 (NEC)
IC223	8-759-205-08	■	TC74HC86F (TOSHIBA)
IC224	8-759-204-98	■	TC74HC08F (TOSHIBA)
IC225	8-759-908-17	■	TL082CPS (TI)
IC226	8-759-945-29	■	TL601CPS (TI)
IC228	8-759-908-17	■	TL082CPS (TI)
IC231	8-759-204-98	■	TC74HC08F (TOSHIBA)
IC232	8-759-945-29	■	TL601CPS (TI)
IC234	8-759-203-17	■	TC74HC174F (TOSHIBA)
IC235	8-759-205-12	■	TC74HC157F (TOSHIBA)
IC236	8-759-205-12	■	TC74HC157F (TOSHIBA)
IC237	8-759-908-17	■	TL082CPS (TI)
IC239	8-759-205-05	■	TC74HC32F (TOSHIBA)
IC240	8-759-945-29	■	TL601CPS (TI)
IC241	8-759-100-93	■	uPC393G2 (NEC)
IC401	8-749-901-45	■	SBX4002-01 (NEC)
IC403	8-752-032-55	■	CXA1096M (SONY)
IC404	8-759-948-32	■	CXD1310AM (SONY)
IC501	8-759-204-94	■	TC74HC00F (TOSHIBA)
IC502	8-759-201-47	■	TA7357AP (TOSHIBA)
IC504	8-759-908-17	■	TL082CPS (TI)
IC505	8-759-941-17	■	SN74LS06NS (TI)
IC506	8-759-012-13	■	MC10H125M (MOTOROLA)
IC507	8-759-230-23	■	CXD1045AQ (SONY)
IC508	8-749-901-21	■	BX1461 (SONY)
IC509	8-759-908-17	■	TL082CPS (TI)
IC510	8-759-945-29	■	TL601CPS (TI)
IC511	8-749-901-20	■	BX1460 (SONY)
IC512	8-759-907-81	■	SN74LS221NS (TI)
IC513	8-759-941-27	■	MB4002PF (FUJITSU)
IC514	8-759-945-29	■	TL601CPS (TI)
IC516	8-759-908-17	■	TL082CPS (TI)
IC517	8-759-908-17	■	TL082CPS (TI)
IC519	8-759-205-08	■	TC74HC86F (TOSHIBA)
IC520	8-759-945-29	■	TL601CPS (TI)
IC521	8-759-205-05	■	TC74HC32F (TOSHIBA)

Ref.No. Parts No. SP Description

IC522	8-759-105-49	■	uPC319G2 (NEC)
IC605	8-759-941-27	■	MB4002PF (FUJITSU)
IC610	8-759-914-44	■	TL431CLPB (TI)
IC611	8-759-908-17	■	TL082CPS (TI)
IC700	8-759-945-29	■	TL601CPS (TI)
IC701	8-752-015-81	■	CX20158 (SONY)
IC702	8-757-930-11	■	CX7930A (SONY)
IC720	8-759-204-98	■	TC74HC08F (TOSHIBA)
IC800	8-759-945-29	■	TL601CPS (TI)
IC801	8-752-015-81	■	CX20158 (SONY)
IC802	8-757-930-11	■	CX7930A (SONY)
IC803	8-759-907-81	■	SN74LS221NS (TI)
L102	1-410-470-11	■	MICRO 10
L103	1-410-470-11	■	MICRO 10
L104	1-410-470-11	■	MICRO 10
L205	1-408-879-21	■	MICRO 0.47
L214	1-410-492-11	■	MICRO 680
L219	1-408-461-21	■	MICRO 1.8
LA02	1-410-470-11	■	MICRO 10
LA03	1-410-470-11	■	MICRO 10
LA06	1-410-470-11	■	MICRO 10
L507	1-410-488-21	■	MICRO 330
L508	1-408-879-21	■	MICRO 0.47
L651	1-410-484-21	■	MICRO 150
L900	1-421-329-00	■	CHOKE
L901	1-421-329-00	■	CHOKE
L902	1-421-329-00	■	CHOKE
L903	1-421-329-00	■	CHOKE
L904	1-421-329-00	■	CHOKE
L905	1-421-329-00	■	CHOKE
L906	1-421-329-00	■	CHOKE
L907	1-421-329-00	■	CHOKE
L908	1-421-329-00	■	CHOKE
L909	1-421-329-00	■	CHOKE
L910	1-421-329-00	■	CHOKE
L911	1-421-329-00	■	CHOKE
LV200	1-407-563-11	■	VAR 1.0
LV201	1-407-563-11	■	VAR 1.0
LV500	1-410-286-11	■	VAR 1.0
Q100	8-729-100-66	■	2SC1623
Q101	8-729-106-68	■	2SD1615A-GP
Q102	8-729-106-60	■	2SB115A
Q103	8-729-102-06	■	2SC2223
Q104	8-729-102-06	■	2SC2223
Q105	8-729-109-44	■	2SK94
Q106	8-729-102-06	■	2SC2223
Q201	8-729-100-66	■	2SC1623
Q203	8-729-100-66	■	2SC1623
Q204	8-729-100-66	■	2SC1623
Q205	8-729-100-66	■	2SC1623
Q206	8-729-100-66	■	2SC1623
Q207	8-729-100-66	■	2SC1623
Q208	8-729-109-44	■	2SK94
Q209	8-729-109-44	■	2SK94

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q210 8-729-109-44 ■ 2SK94
 Q211 8-729-102-06 ■ 2SC2223
 Q212 8-729-102-06 ■ 2SC2223
 Q213 8-729-109-44 ■ 2SK94
 Q214 8-729-102-06 ■ 2SC2223

Q215 8-729-100-76 ■ 2SA812
 Q220 8-729-100-44 ■ 2SK94
 Q221 8-729-100-44 ■ 2SK94
 Q223 8-729-800-44 ■ 2SK152-4
 Q224 8-729-202-38 ■ 2SC3326N

Q225 8-729-202-38 ■ 2SC3326N
 Q226 8-729-202-38 ■ 2SC3326N
 Q227 8-729-202-38 ■ 2SC3326N
 Q228 8-729-202-38 ■ 2SC3326N
 Q229 8-729-202-38 ■ 2SC3326N

Q230 8-729-202-38 ■ 2SC3326N
 Q244 8-729-100-66 ■ 2SC1623
 Q400 8-729-100-66 ■ 2SC1623
 Q401 8-729-102-06 ■ 2SC2223
 Q402 8-729-102-06 ■ 2SC2223

Q403 8-729-109-44 ■ 2SK94
 Q404 8-729-102-06 ■ 2SC2223
 Q500 8-729-100-66 ■ 2SC1623
 Q501 8-729-100-66 ■ 2SC1623
 Q503 8-729-100-66 ■ 2SC1623

Q504 8-729-100-66 ■ 2SC1623
 Q505 8-729-100-66 ■ 2SC1623
 Q512 8-729-102-06 ■ 2SC2223
 Q513 8-729-100-44 ■ 2SK94
 Q514 8-729-102-06 ■ 2SC2223

Q515 8-729-102-06 ■ 2SC2223
 Q516 8-729-100-76 ■ 2SA812
 Q610 8-729-106-84 ■ 2SD1615A-CQ
 Q611 8-729-106-60 ■ 2SB1115A
 Q680 8-729-100-44 ■ 2SK94

Q681 8-729-100-66 ■ 2SC1623
 Q800 8-729-100-44 ■ 2SK94
 Q801 8-729-100-44 ■ 2SK94
 Q802 8-729-100-66 ■ 2SC1623

R101 1-216-651-11 ■ METAL CHIP 1k 0.50Z 1/10W
 R105 1-216-639-11 ■ METAL CHIP 330 0.50Z 1/10W
 R106 1-216-639-11 ■ METAL CHIP 330 0.50Z 1/10W
 R107 1-216-641-11 ■ METAL CHIP 390 0.50Z 1/10W
 R111 1-216-659-11 ■ METAL CHIP 2.2k 0.50Z 1/10W

R114 1-216-675-11 ■ METAL CHIP 10k 0.50Z 1/10W
 R115 1-216-675-11 ■ METAL CHIP 10k 0.50Z 1/10W
 R139 1-216-655-11 ■ METAL CHIP 1.5k 0.50Z 1/10W
 R140 1-216-653-11 ■ METAL CHIP 1.2k 0.50Z 1/10W
 R142 1-216-018-00 ■ CHIP 51 5Z 1/10W

R149 1-216-659-11 ■ METAL CHIP 2.2k 0.50Z 1/10W
 R205 1-216-665-11 ■ METAL CHIP 3.9k 0.50Z 1/10W
 R213 1-216-653-11 ■ METAL CHIP 1.2k 0.50Z 1/10W
 R218 1-216-669-11 ■ METAL CHIP 5.6k 0.50Z 1/10W
 R219 1-216-691-11 ■ METAL CHIP 47k 0.50Z 1/10W

R220 1-216-674-11 ■ METAL CHIP 9.1k 0.50Z 1/10W
 R222 1-216-660-11 ■ METAL CHIP 2.4k 0.50Z 1/10W
 R249 1-216-682-11 ■ METAL CHIP 20k 0.50Z 1/10W
 R250 1-216-669-11 ■ METAL CHIP 5.6k 0.50Z 1/10W
 R251 1-216-682-11 ■ METAL CHIP 20k 0.50Z 1/10W

Ref.No. Parts No. SP Description

R252 1-216-671-11 ■ METAL CHIP 6.8k 0.50Z 1/10W
 R254 1-216-695-11 ■ METAL CHIP 68k 0.50Z 1/10W
 R258 1-216-671-11 ■ METAL CHIP 6.8k 0.50Z 1/10W
 R259 1-216-659-11 ■ METAL CHIP 2.2k 0.50Z 1/10W
 R264 1-216-683-11 ■ METAL CHIP 22k 0.50Z 1/10W

R267 1-216-665-11 ■ METAL CHIP 3.9k 0.50Z 1/10W
 R270 1-216-675-11 ■ METAL CHIP 10k 0.50Z 1/10W
 R271 1-216-680-11 ■ METAL CHIP 16k 0.50Z 1/10W
 R272 1-216-681-11 ■ METAL CHIP 18k 0.50Z 1/10W
 R276 1-216-671-11 ■ METAL CHIP 6.8k 0.50Z 1/10W

R293 1-216-667-11 ■ METAL CHIP 4.7k 0.50Z 1/10W
 R294 1-216-675-11 ■ METAL CHIP 10k 0.50Z 1/10W
 R296 1-216-665-11 ■ METAL CHIP 3.9k 0.50Z 1/10W
 R302 1-216-655-11 ■ METAL CHIP 1.5k 0.50Z 1/10W
 R303 1-216-645-11 ■ METAL CHIP 560 0.50Z 1/10W

R304 1-216-018-00 ■ CHIP 51 5Z 1/10W
 R312 1-216-649-11 ■ METAL CHIP 820 0.50Z 1/10W
 R313 1-216-661-11 ■ METAL CHIP 2.7k 0.50Z 1/10W
 R314 1-216-686-11 ■ METAL CHIP 30k 0.50Z 1/10W
 R316 1-216-683-11 ■ METAL CHIP 22k 0.50Z 1/10W

R317 1-216-683-11 ■ METAL CHIP 22k 0.50Z 1/10W
 R330 1-216-675-11 ■ METAL CHIP 10k 0.50Z 1/10W
 R338 1-216-659-11 ■ METAL CHIP 2.2k 0.50Z 1/10W
 R340 1-216-675-11 ■ METAL CHIP 10k 0.50Z 1/10W
 R341 1-216-659-11 ■ METAL CHIP 2.2k 0.50Z 1/10W

R348 1-216-681-11 ■ METAL CHIP 18k 0.50Z 1/10W
 R353 1-216-662-11 ■ METAL CHIP 3k 0.50Z 1/10W
 R356 1-216-672-11 ■ METAL CHIP 7.5k 0.50Z 1/10W
 R357 1-216-677-11 ■ METAL CHIP 12k 0.50Z 1/10W
 R358 1-216-673-11 ■ METAL CHIP 8.2k 0.50Z 1/10W

R359 1-216-679-11 ■ METAL CHIP 15k 0.50Z 1/10W
 R360 1-216-679-11 ■ METAL CHIP 15k 0.50Z 1/10W
 R361 1-216-672-11 ■ METAL CHIP 7.5k 0.50Z 1/10W
 R365 1-216-651-11 ■ METAL CHIP 1k 0.50Z 1/10W
 R367 1-216-683-11 ■ METAL CHIP 22k 0.50Z 1/10W

R368 1-216-651-11 ■ METAL CHIP 1k 0.50Z 1/10W
 R371 1-216-652-11 ■ METAL CHIP 1.1k 0.50Z 1/10W
 R372 1-216-671-11 ■ METAL CHIP 6.8k 0.50Z 1/10W
 R375 1-216-651-11 ■ METAL CHIP 1k 0.50Z 1/10W
 R376 1-216-679-11 ■ METAL CHIP 15k 0.50Z 1/10W

R379 1-216-685-11 ■ METAL CHIP 27k 0.50Z 1/10W
 R380 1-216-666-11 ■ METAL CHIP 4.3k 0.50Z 1/10W
 R401 1-216-651-11 ■ METAL CHIP 1k 0.50Z 1/10W
 R405 1-216-639-11 ■ METAL CHIP 330 0.50Z 1/10W
 R406 1-216-639-11 ■ METAL CHIP 330 0.50Z 1/10W

R407 1-216-647-11 ■ METAL CHIP 680 0.50Z 1/10W
 R411 1-216-663-11 ■ METAL CHIP 3.3k 0.50Z 1/10W
 R412 1-216-669-11 ■ METAL CHIP 5.6k 0.50Z 1/10W
 R426 1-216-677-11 ■ METAL CHIP 12k 0.50Z 1/10W
 R431 1-216-655-11 ■ METAL CHIP 1.5k 0.50Z 1/10W

R432 1-216-653-11 ■ METAL CHIP 1.2k 0.50Z 1/10W
 R433 1-216-018-00 ■ CHIP 51 5Z 1/10W
 R438 1-216-659-11 ■ METAL CHIP 2.2k 0.50Z 1/10W
 R507 1-216-634-11 ■ METAL CHIP 200 0.50Z 1/10W
 R509 1-216-635-11 ■ METAL CHIP 220 0.50Z 1/10W

R510 1-216-635-11 ■ METAL CHIP 220 0.50Z 1/10W
 R511 1-216-655-11 ■ METAL CHIP 1.5k 0.50Z 1/10W
 R512 1-216-651-11 ■ METAL CHIP 1k 0.50Z 1/10W
 R513 1-216-619-11 ■ METAL CHIP 47 0.50Z 1/10W
 R517 1-216-651-11 ■ METAL CHIP 1k 0.50Z 1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
R518	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W
R522	1-216-691-11	■	METAL CHIP 5.7k 0.50X 1/10W
R523	1-216-699-11	■	METAL CHIP 100k 0.50X 1/10W
R527	1-216-674-11	■	METAL CHIP 9.1k 0.50X 1/10W
R528	1-216-660-11	■	METAL CHIP 2.4k 0.50X 1/10W
R535	1-216-682-11	■	METAL CHIP 20k 0.50X 1/10W
R536	1-216-667-11	■	METAL CHIP 4.7k 0.50X 1/10W
R541	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R543	1-216-671-11	■	METAL CHIP 6.8k 0.50X 1/10W
R544	1-216-671-11	■	METAL CHIP 6.8k 0.50X 1/10W
R545	1-216-659-11	■	METAL CHIP 2.2k 0.50X 1/10W
R547	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R548	1-216-665-11	■	METAL CHIP 3.9k 0.50X 1/10W
R549	1-216-698-11	■	METAL CHIP 91k 0.50X 1/10W
R550	1-216-680-11	■	METAL CHIP 16k 0.50X 1/10W
R551	1-216-681-11	■	METAL CHIP 18k 0.50X 1/10W
R552	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R553	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R566	1-216-661-11	■	METAL CHIP 2.7k 0.50X 1/10W
R567	1-216-686-11	■	METAL CHIP 30k 0.50X 1/10W
R581	1-216-634-11	■	METAL CHIP 200 0.50X 1/10W
R585	1-216-645-11	■	METAL CHIP 560 0.50X 1/10W
R586	1-216-655-11	■	METAL CHIP 1.5k 0.50X 1/10W
R587	1-216-018-00	■	CHIP 51 5X 1/10W
R594	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R595	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R597	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R599	1-216-681-11	■	METAL CHIP 18k 0.50X 1/10W
R600	1-216-679-11	■	METAL CHIP 15k 0.50X 1/10W
R601	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W
R605	1-216-691-11	■	METAL CHIP 47k 0.50X 1/10W
R611	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R612	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R704	1-216-677-11	■	METAL CHIP 12k 0.50X 1/10W
R708	1-216-663-11	■	METAL CHIP 3.3k 0.50X 1/10W
R709	1-216-652-11	■	METAL CHIP 1.1k 0.50X 1/10W
R710	1-216-673-11	■	METAL CHIP 8.2k 0.50X 1/10W
R717	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R718	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R719	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R720	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
R803	1-216-652-11	■	METAL CHIP 1.1k 0.50X 1/10W
R807	1-216-663-11	■	METAL CHIP 3.3k 0.50X 1/10W
R810	1-216-677-11	■	METAL CHIP 12k 0.50X 1/10W
R816	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
R817	1-216-668-11	■	METAL CHIP 5.1k 0.50X 1/10W
RV100	1-237-515-21	■	VAR, CERMET 1k
RV101	1-237-514-21	■	VAR, CERMET 500
RV102	1-237-515-21	■	VAR, CERMET 1k
RV103	1-237-515-21	■	VAR, CERMET 1k
RV200	1-237-517-21	■	VAR, CERMET 5k
RV201	1-237-516-21	■	VAR, CERMET 2k
RV203	1-237-518-21	■	VAR, CERMET 10k
RV400	1-237-514-21	■	VAR, CERMET 500
RV401	1-237-516-21	■	VAR, CERMET 2k
RV402	1-237-515-21	■	VAR, CERMET 1k

Ref.No.	Parts No.	SP	Description
RV500	1-237-516-21	■	VAR, CERMET 2k
RV501	1-237-516-21	■	VAR, CERMET 2k
RV502	1-237-517-21	■	VAR, CERMET 5k
RV503	1-237-518-21	■	VAR, CERMET 10k
RV610	1-237-515-21	■	VAR, CERMET 1k

S101	1-553-977-00	■	SLIDE
S200	1-553-977-00	■	SLIDE

TH201	1-800-198-11	■	S-1K
TH202	1-800-202-XX	■	S-10K
TH501	1-800-198-11	■	S-1K
TH502	1-800-202-XX	■	S-10K

7) TBC-8P BOARD

This board includes the WR-25 board.

A-6711-889-C o MOUNTED CIRCUIT BOARD, TBC-8P

C100	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C101	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C102	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C103	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C104	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C105	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C106	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C107	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C108	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C113	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C114	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C117	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C118	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C120	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C122	1-162-638-11	■	CERAMIC CHIP 1 16V
C137	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C138	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C139	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C140	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C142	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C144	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C145	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C146	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C147	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C200	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C201	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C202	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C205	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C207	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C208	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C210	1-162-638-11	■	CERAMIC CHIP 1 16V
C211	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C212	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C213	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C214	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description
C216	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C218	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C219	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C221	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C222	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C300	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C301	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C400	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C401	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C402	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C403	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C408	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C409	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C420	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C421	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C422	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C423	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C428	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C442	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C443	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C444	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C500	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C501	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C502	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C503	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C504	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C507	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C509	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C511	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C512	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C513	1-162-638-11	■	CERAMIC CHIP 1 16V
C514	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C518	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C520	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C521	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C523	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C524	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C525	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C526	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C527	1-162-638-11	■	CERAMIC CHIP 1 16V
C530	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C532	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C535	1-162-637-11	■	CERAMIC CHIP 0.47 16V
C536	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C540	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C543	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C603	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C901	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C902	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C904	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C906	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C911	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C913	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C915	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C917	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C918	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
C920	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V
CN106	1-506-746-11	■	DIN 48P
CN107	1-506-748-11	■	DIN 96P

Ref.No.	Parts No.	SP	Description
1) CV101	1-141-245-11	■	TRIMMER, CERAMIC 30pF
2) CV101	1-141-404-11	■	TRIMMER 30pF
1) CV102	1-141-245-11	■	TRIMMER, CERAMIC 30pF
2) CV102	1-141-404-11	■	TRIMMER 30pF
1) CV103	1-141-245-11	■	TRIMMER, CERAMIC 30pF
2) CV103	1-141-404-11	■	TRIMMER 30pF
D201	8-719-105-52	■	RD3.6W-B2
D202	8-719-101-23	■	1S8123
D400	8-719-101-23	■	1S8123
D500	8-719-106-17	■	RD6.8W-B2
D501	8-719-106-17	■	RD6.8W-B2
IC100	8-759-012-13	■	MC10H125M (MOTOROLA)
IC101	8-759-942-28	■	CXD1022CQ (SONY)
IC102	8-759-208-76	■	CXD1023AQ (SONY)
IC103	8-749-901-39	■	88XA601-01 (FUJITSU)
IC104	8-759-201-41	■	T062901P (TOSHIBA)
IC106	8-759-745-64	■	NJMA560M (JRC)
IC107	8-759-945-29	■	TL601CPS (TI)
IC108	8-759-904-80	■	74F04PC (FSC)
IC109	8-759-204-96	■	TC74HC04F (TOSHIBA)
IC110	8-759-204-96	■	TC74HC04F (TOSHIBA)
IC112	8-759-948-35	■	CXD1309BQ (SONY)
IC113	8-759-948-37	■	CXD1326AQ (SONY)
IC114	8-759-930-50	■	SH74LS157NS (TI)
IC200	8-752-322-72	■	CXK1202S (SONY)
IC201	8-759-208-88	■	CXD1131Q (SONY)
IC202	8-759-745-64	■	NJMA560M (JRC)
IC203	8-759-933-52	■	M8A0778P (FUJITSU)
IC204	8-759-745-64	■	NJMA560M (JRC)
IC400	8-759-942-28	■	CXD1022CQ (SONY)
IC401	8-759-208-76	■	CXD1023AQ (SONY)
IC402	8-749-901-39	■	88XA601-01 (FUJITSU)
IC403	8-759-205-08	■	TC74HC86F (TOSHIBA)
IC404	8-759-205-21	■	TC74HC221F (TOSHIBA)
IC405	8-749-901-21	■	8X1461 (SONY)
IC406	8-759-200-81	■	TC4053BF (TOSHIBA)
IC407	8-759-908-17	■	TL082CPS (TI)
IC408	8-759-907-81	■	SH74LS221NS (TI)
IC409	8-759-204-96	■	TC74HC04F (TOSHIBA)
IC500	8-752-322-72	■	CXK1202S (SONY)
IC501	8-752-322-72	■	CXK1202S (SONY)
IC502	8-759-208-88	■	CXD1131Q (SONY)
IC503	8-759-012-13	■	MC10H125M (MOTOROLA)
IC504	8-759-204-96	■	TC74HC04F (TOSHIBA)
IC505	8-759-001-98	■	MC10198L (MOTOROLA)
IC506	8-759-933-52	■	M8A0778P (FUJITSU)
IC507	8-759-933-52	■	M8A0778P (FUJITSU)
IC508	8-759-907-81	■	SH74LS221NS (TI)
IC509	8-759-745-64	■	NJMA560M (JRC)
IC510	8-759-204-96	■	TC74HC04F (TOSHIBA)
IC512	8-759-205-03	■	TC74HC27F (TOSHIBA)
IC900	8-759-914-44	■	TL431CLPB (TI)
L100	1-410-470-11	■	MICRO 10
L101	1-410-470-11	■	MICRO 10
L102	1-410-470-11	■	MICRO 10
L103	1-410-470-11	■	MICRO 10
L200	1-410-478-11	■	MICRO 47

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

L201 1-410-478-11 # MICRO 47
 L202 1-410-478-11 # MICRO 47
 L203 1-410-478-11 # MICRO 47
 L300 1-410-478-11 # MICRO 47
 L301 1-410-478-11 # MICRO 47

L400 1-410-470-11 # MICRO 10
 L401 1-410-470-11 # MICRO 10
 L500 1-410-478-11 # MICRO 47
 L501 1-410-478-11 # MICRO 47
 L502 1-410-478-11 # MICRO 47

L503 1-410-478-11 # MICRO 47
 L504 1-410-478-11 # MICRO 47
 L505 1-410-478-11 # MICRO 47
 L900 1-421-329-00 # CHOKE
 L901 1-421-329-00 # CHOKE

L902 1-421-329-00 # CHOKE
 L903 1-421-329-00 # CHOKE
 L904 1-421-329-00 # CHOKE

Q201 8-729-100-66 # 2SC1623
 Q202 8-729-102-06 # 2SC2223
 Q203 8-729-102-06 # 2SC2223
 Q204 8-729-100-66 # 2SC1623
 Q205 8-729-109-44 # 2SK94

Q400 8-729-100-66 # 2SC1623
 Q401 8-729-100-76 # 2SA812
 Q402 8-729-100-76 # 2SA812
 Q500 8-729-100-66 # 2SC1623
 Q501 8-729-100-66 # 2SC1623

Q502 8-729-100-66 # 2SC1623
 Q503 8-729-100-66 # 2SC1623
 Q504 8-729-100-66 # 2SC1623
 Q505 8-729-100-66 # 2SC1623
 Q900 8-729-106-68 # 2SD1615A-GP

R138 1-216-667-11 # METAL CHIP 4.7k 0.50X 1/10W
 R139 1-216-667-11 # METAL CHIP 4.7k 0.50X 1/10W
 R140 1-216-680-11 # METAL CHIP 16k 0.50X 1/10W
 R141 1-216-675-11 # METAL CHIP 10k 0.50X 1/10W
 R142 1-216-662-11 # METAL CHIP 3k 0.50X 1/10W

R143 1-216-667-11 # METAL CHIP 4.7k 0.50X 1/10W
 R144 1-216-676-11 # METAL CHIP 11k 0.50X 1/10W
 R145 1-216-683-11 # METAL CHIP 22k 0.50X 1/10W
 R146 1-216-672-11 # METAL CHIP 7.5k 0.50X 1/10W
 R202 1-216-672-11 # METAL CHIP 7.5k 0.50X 1/10W

R203 1-216-679-11 # METAL CHIP 15k 0.50X 1/10W
 R204 1-216-679-11 # METAL CHIP 15k 0.50X 1/10W
 R205 1-216-661-11 # METAL CHIP 2.7k 0.50X 1/10W
 R206 1-216-674-11 # METAL CHIP 9.1k 0.50X 1/10W
 R208 1-216-677-11 # METAL CHIP 12k 0.50X 1/10W

R209 1-216-676-11 # METAL CHIP 11k 0.50X 1/10W
 R214 1-216-619-11 # METAL CHIP 47 0.50X 1/10W
 R216 1-216-660-11 # METAL CHIP 2.4k 0.50X 1/10W
 R217 1-216-672-11 # METAL CHIP 7.5k 0.50X 1/10W
 R220 1-216-679-11 # METAL CHIP 15k 0.50X 1/10W

R223 1-216-678-11 # METAL CHIP 13k 0.50X 1/10W
 R224 1-216-653-11 # METAL CHIP 1.2k 0.50X 1/10W
 R225 1-216-655-11 # METAL CHIP 1.5k 0.50X 1/10W
 R226 1-216-641-11 # METAL CHIP 390 0.50X 1/10W
 R227 1-216-655-11 # METAL CHIP 1.5k 0.50X 1/10W

Ref.No. Parts No. SP Description

R229 1-216-679-11 # METAL CHIP 15k 0.50X 1/10W
 R418 1-216-677-11 # METAL CHIP 12k 0.50X 1/10W
 R424 1-216-683-11 # METAL CHIP 22k 0.50X 1/10W
 R425 1-216-673-11 # METAL CHIP 8.2k 0.50X 1/10W
 R426 1-216-675-11 # METAL CHIP 10k 0.50X 1/10W

R427 1-216-655-11 # METAL CHIP 1.5k 0.50X 1/10W
 R428 1-216-655-11 # METAL CHIP 1.5k 0.50X 1/10W
 R430 1-216-659-11 # METAL CHIP 2.2k 0.50X 1/10W
 R432 1-216-667-11 # METAL CHIP 4.7k 0.50X 1/10W
 R433 1-216-667-11 # METAL CHIP 4.7k 0.50X 1/10W

R510 1-216-679-11 # METAL CHIP 15k 0.50X 1/10W
 R511 1-216-679-11 # METAL CHIP 15k 0.50X 1/10W
 R512 1-216-672-11 # METAL CHIP 7.5k 0.50X 1/10W
 R513 1-216-679-11 # METAL CHIP 15k 0.50X 1/10W
 R514 1-216-661-11 # METAL CHIP 2.7k 0.50X 1/10W

R515 1-216-674-11 # METAL CHIP 9.1k 0.50X 1/10W
 R520 1-216-646-11 # METAL CHIP 620 0.50X 1/10W
 R521 1-216-653-11 # METAL CHIP 1.2k 0.50X 1/10W
 R524 1-216-624-11 # METAL CHIP 75 0.50X 1/10W
 R529 1-216-660-11 # METAL CHIP 2.4k 0.50X 1/10W

R530 1-216-674-11 # METAL CHIP 9.1k 0.50X 1/10W
 R535 1-216-646-11 # METAL CHIP 620 0.50X 1/10W
 R536 1-216-653-11 # METAL CHIP 1.2k 0.50X 1/10W
 R539 1-216-624-11 # METAL CHIP 75 0.50X 1/10W
 R540 1-216-677-11 # METAL CHIP 12k 0.50X 1/10W

R541 1-216-660-11 # METAL CHIP 2.4k 0.50X 1/10W
 R542 1-216-678-11 # METAL CHIP 13k 0.50X 1/10W
 R546 1-216-635-11 # METAL CHIP 220 0.50X 1/10W
 R549 1-216-682-11 # METAL CHIP 20k 0.50X 1/10W
 R571 1-216-635-11 # METAL CHIP 220 0.50X 1/10W

R572 1-216-635-11 # METAL CHIP 220 0.50X 1/10W
 R573 1-216-677-11 # METAL CHIP 12k 0.50X 1/10W
 R605 1-216-685-11 # METAL CHIP 27k 0.50X 1/10W
 R606 1-216-685-11 # METAL CHIP 27k 0.50X 1/10W
 R901 1-216-675-11 # METAL CHIP 10k 0.50X 1/10W

R902 1-216-675-11 # METAL CHIP 10k 0.50X 1/10W

RV200 1-237-501-21 # VAR, CERMET 2k
 RV400 1-237-514-21 # VAR, CERMET 50k
 RV500 1-237-501-21 # VAR, CERMET 2k
 RV501 1-237-501-21 # VAR, CERMET 2k
 RV502 1-237-257-21 # VAR, CERMET 500

RV601 1-237-257-21 # VAR, CERMET 10k

S500 1-554-149-00 # DIP

TBC-9P BOARD

A-6711-890-A # MOUNTED CIRCUIT BOARD, TBC-9P

C3 1-162-638-11 # CERAMIC CHIP 1 16V
 C4 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C5 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C9 1-135-083-00 # TANTAL CHIP 0.47 10X 25V
 C10 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

Parts that are not listed in the "reference number list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

C13 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C15 1-124-462-00 # ELECT 10 20X 16V
 C17 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C19 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C20 1-135-083-00 # TANTAL CHIP 0.47 10X 25V

C21 1-124-462-00 # ELECT 10 20X 16V
 C22 1-124-462-00 # ELECT 10 20X 16V
 C24 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C25 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C27 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

C32 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C33 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C35 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C36 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C38 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

C39 1-162-638-11 # CERAMIC CHIP 1 16V
 C41 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C43 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C45 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C47 1-162-638-11 # CERAMIC CHIP 1 16V

C50 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C52 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C55 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C59 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C60 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

C64 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C66 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C73 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C75 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C77 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

C81 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C83 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C86 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C89 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C91 1-135-083-00 # TANTAL CHIP 0.47 10X 25V

C92 1-124-462-00 # ELECT 10 20X 16V
 C93 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C96 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C98 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C99 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

C101 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C102 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C103 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C104 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C105 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

C106 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C107 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C108 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C109 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C111 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

C113 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C114 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C115 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C117 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C119 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

C123 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C124 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C125 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C126 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C127 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

Ref.No. Parts No. SP Description

C129 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C132 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C134 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C137 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C200 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

C201 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C203 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C204 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C208 1-135-091-00 # TANTAL CHIP 1 10X 16V
 C210 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

C214 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C215 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C216 1-135-096-91 # TANTAL CHIP 4.7 20X 10V
 C301 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V
 C302 1-163-037-11 # CERAMIC CHIP 0.022 10X 25V

CH101 1-506-748-11 # DIN 96P

CP1 1-567-891-11 # CRYSTAL 17.73447MHz
 CP2 1-567-646-11 # CRYSTAL 14.1875MHz
 CP3 1-567-646-11 # CRYSTAL 14.1875MHz

D1 8-719-100-03 # 1S2835
 D2 8-719-101-23 # 1S8123
 D3 8-719-101-23 # 1S8123
 D4 8-719-101-23 # 1S8123
 D5 8-719-101-23 # 1S8123

D200 8-719-101-23 # 1S8123
 D201 8-719-105-58 # RD3.9M-B2
 D202 8-719-101-23 # 1S8123
 D203 8-719-100-03 # 1S2835
 D204 8-719-106-08 # RD6.2M-B2

D205 8-719-911-19 # 1S8119

IC1 8-759-204-94 # TC74HC00F (TOSHIBA)
 IC2 8-752-006-10 # CX20061 (SONY)
 IC4 8-759-908-39 # CX7998 (SONY)
 IC5 8-759-200-81 # TC4053BF (TOSHIBA)
 IC6 8-757-930-11 # CX7930A (SONY)

IC7 8-759-205-21 # TC74HC221F (TOSHIBA)
 IC8 8-759-205-06 # TC74HC74F (TOSHIBA)
 IC9 8-759-205-21 # TC74HC221F (TOSHIBA)
 IC10 8-757-930-11 # CX7930A (SONY)
 IC11 8-759-205-08 # TC74HC86F (TOSHIBA)

IC12 8-759-908-17 # TL082CPS (TI)
 IC13 8-759-902-88 # SN74LS123NS (TI)
 IC14 8-759-700-95 # NJM1496M (JRC)
 IC16 8-759-205-05 # TC74HC221F (TOSHIBA)
 IC17 8-759-100-93 # uPC393G2 (NEC)

IC18 8-759-908-17 # TL082CPS (TI)
 IC19 8-759-206-28 # TC74HC123F (TOSHIBA)
 IC20 8-759-914-44 # TL431CLP2 (TI)
 IC21 8-759-908-39 # CX7998 (SONY)
 IC22 8-759-207-66 # CD1024Q (SONY)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description	Ref.No.	Parts No.	SP	Description
IC23	8-757-930-11	■	CX7930A (SONY)	Q1	8-729-100-66	■	25C1623
IC24	8-759-918-35	■	CX20162 (SONY)	Q2	8-729-100-66	■	25C1623
IC25	8-759-904-84	■	74F74PC (PSC)	Q3	8-729-100-66	■	25C1623
IC26	8-759-204-08	■	TC74HC08P (TOSHIBA)	Q6	8-729-100-76	■	25A812
IC27	8-759-205-06	■	TC74HC74F (TOSHIBA)	Q7	8-729-100-66	■	25C1623
IC28	8-759-204-96	■	TC74HC04F (TOSHIBA)	Q8	8-729-100-76	■	25A812
IC29	8-759-205-23	■	TC74HC244F (TOSHIBA)	Q9	8-729-100-66	■	25C1623
IC30	8-759-930-57	■	SN74LS16ANS (TI)	Q10	8-729-100-66	■	25C1623
IC31	8-759-012-02	■	MC10H124M (MOTOROLA)	Q11	8-729-100-66	■	25C1623
IC32	8-759-205-23	■	TC74HC244F (TOSHIBA)	Q12	8-729-100-66	■	25C1623
IC33	8-759-206-28	■	TC74HC123F (TOSHIBA)	Q13	8-729-100-66	■	25C1623
IC34	8-759-929-83	■	SN74LS11NS (TI)	Q14	8-729-122-63	■	25A1226
IC35	8-759-205-08	■	TC74HC86F (TOSHIBA)	Q15	8-729-100-66	■	25C1623
IC36	8-759-930-57	■	SN74LS16ANS (TI)	Q16	8-729-100-66	■	25C1623
IC37	8-759-914-44	■	TLA31CLPB (TI)	Q17	8-729-122-63	■	25A1226
IC40	8-759-205-06	■	TC74HC74F (TOSHIBA)	Q18	8-729-100-66	■	25C1623
IC41	8-759-907-81	■	SN74LS221NS (TI)	Q19	8-729-100-66	■	25C1623
IC42	8-759-907-81	■	SN74LS221NS (TI)	Q20	8-729-106-68	■	25D1615A-GP
IC43	8-759-205-06	■	TC74HC74F (TOSHIBA)	Q200	8-729-100-66	■	25C1623
IC200	8-759-941-27	■	MB4002PF (FUJITSU)	Q201	8-729-109-44	■	25K94
IC201	8-759-908-17	■	TL082CPS (TI)	Q202	8-729-109-44	■	25K94
IC202	8-759-945-29	■	TL601CPS (TI)	Q203	8-729-100-66	■	25C1623
IC203	8-759-105-49	■	uPC319G2 (NEC)	Q204	8-729-109-44	■	25K94
IC204	8-759-205-21	■	TC74HC221F (TOSHIBA)	Q205	8-729-100-66	■	25C1623
L1	1-410-478-11	■	MICRO 47	R23	1-216-673-11	■	METAL CHIP 8.2k 0.50X 1/10W
L2	1-410-478-11	■	MICRO 47	R24	1-216-673-11	■	METAL CHIP 8.2k 0.50X 1/10W
L3	1-410-478-11	■	MICRO 47	R28	1-216-673-11	■	METAL CHIP 8.2k 0.50X 1/10W
L4	1-410-478-11	■	MICRO 47	R29	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
L5	1-410-478-11	■	MICRO 47	R34	1-216-671-11	■	METAL CHIP 6.8k 0.50X 1/10W
L6	1-410-478-11	■	MICRO 47	R35	1-216-673-11	■	METAL CHIP 8.2k 0.50X 1/10W
L7	1-410-478-11	■	MICRO 47	R39	1-216-691-11	■	METAL CHIP 47k 0.50X 1/10W
L8	1-410-478-11	■	MICRO 47	R40	1-216-667-11	■	METAL CHIP 4.7k 0.50X 1/10W
L9	1-410-478-11	■	MICRO 47	R41	1-216-682-11	■	METAL CHIP 20k 0.50X 1/10W
L10	1-410-478-11	■	MICRO 47	7) R42	1-216-653-11	■	METAL CHIP 1.2k 0.50X 1/10W
L11	1-410-478-11	■	MICRO 47	8) R42	1-216-656-11	■	METAL CHIP 1.6k 0.50X 1/10W
L12	1-410-478-11	■	MICRO 47	R43	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W
L13	1-410-470-11	■	MICRO 10	R47	1-216-659-11	■	METAL CHIP 2.2k 0.50X 1/10W
L16	1-410-478-11	■	MICRO 47	R48	1-216-683-11	■	METAL CHIP 22k 0.50X 1/10W
L17	1-410-478-11	■	MICRO 47	R49	1-216-681-11	■	METAL CHIP 18k 0.50X 1/10W
L19	1-410-478-11	■	MICRO 47	R50	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W
L20	1-410-478-11	■	MICRO 47	R53	1-216-659-11	■	METAL CHIP 2.2k 0.50X 1/10W
L21	1-410-478-11	■	MICRO 47	R55	1-216-667-11	■	METAL CHIP 4.7k 0.50X 1/10W
L22	1-410-478-11	■	MICRO 47	R56	1-216-667-11	■	METAL CHIP 4.7k 0.50X 1/10W
L23	1-410-478-11	■	MICRO 47	R58	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W
L24	1-410-478-11	■	MICRO 47	R60	1-216-675-11	■	METAL CHIP 10k 0.50X 1/10W
L25	1-410-478-11	■	MICRO 47	R61	1-216-636-11	■	METAL CHIP 240 0.50X 1/10W
L26	1-410-478-11	■	MICRO 47	R62	1-216-667-11	■	METAL CHIP 4.7k 0.50X 1/10W
L27	1-410-478-11	■	MICRO 47	R63	1-216-667-11	■	METAL CHIP 4.7k 0.50X 1/10W
L28	1-421-329-00	■	CHOKE	R65	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W
L29	1-421-329-00	■	CHOKE	R68	1-216-674-11	■	METAL CHIP 9.1k 0.50X 1/10W
L31	1-421-329-00	■	CHOKE	R69	1-216-650-11	■	METAL CHIP 910 0.50X 1/10W
L32	1-421-329-00	■	CHOKE	R70	1-216-649-11	■	METAL CHIP 820 0.50X 1/10W
L34	1-421-329-00	■	CHOKE	R74	1-216-667-11	■	METAL CHIP 4.7k 0.50X 1/10W
L35	1-410-478-11	■	MICRO 47	R75	1-216-641-11	■	METAL CHIP 390 0.50X 1/10W
L201	1-410-482-31	■	MICRO 100	R76	1-216-018-00	■	CHIP 51 5X 1/10W
L202	1-410-478-11	■	MICRO 47	R77	1-216-018-00	■	CHIP 51 5X 1/10W
				R78	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W
				R79	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W
				R80	1-216-651-11	■	METAL CHIP 1k 0.50X 1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

R81 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R82 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R83 1-216-635-11 s METAL CHIP 220 0.50% 1/10W
 R86 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R87 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R88 1-216-643-11 s METAL CHIP 470 0.50% 1/10W
 R92 1-216-624-11 s METAL CHIP 75 0.50% 1/10W
 R93 1-216-699-11 s METAL CHIP 100k 0.50% 1/10W
 R94 1-216-679-11 s METAL CHIP 15k 0.50% 1/10W
 R95 1-216-624-11 s METAL CHIP 75 0.50% 1/10W

R97 1-216-674-11 s METAL CHIP 9.1k 0.50% 1/10W
 R98 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R103 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R104 1-216-660-11 s METAL CHIP 2.4k 0.50% 1/10W
 R105 1-216-665-11 s METAL CHIP 3.9k 0.50% 1/10W

R108 1-216-690-11 s METAL CHIP 43k 0.50% 1/10W
 R109 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R110 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R120 1-216-658-11 s METAL CHIP 15k 0.50% 1/10W
 R138 1-216-673-11 s METAL CHIP 8.2k 0.50% 1/10W

R139 1-216-665-11 s METAL CHIP 3900 0.50% 1/10W
 R181 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R182 1-216-675-11 s METAL CHIP 10k 0.50% 1/10W
 R183 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W
 R184 1-216-685-11 s METAL CHIP 27k 0.50% 1/10W

R185 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W
 R186 1-216-665-11 s METAL CHIP 27k 0.50% 1/10W
 R189 1-216-661-11 s METAL CHIP 2.7k 0.50% 1/10W
 R216 1-216-649-11 s METAL CHIP 820 0.50% 1/10W
 R221 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W

R222 1-216-651-11 s METAL CHIP 1k 0.50% 1/10W
 R229 1-216-669-11 s METAL CHIP 5.6k 0.50% 1/10W
 R230 1-216-683-11 s METAL CHIP 22k 0.50% 1/10W
 R232 1-247-903-31 s CARBON 1M 5% 1/4W
 7) R332 1-216-659-11 s METAL CHIP 2.2k 0.50% 1/10W

8) R332 1-216-657-11 s METAL CHIP 1.8k 0.50% 1/10W
 R333 1-216-663-11 s METAL CHIP 3.3k 0.50% 1/10W

RV1 1-237-517-21 s VAR, CERMET 5k
 RV2 1-237-517-21 s VAR, CERMET 5k
 RV3 1-237-517-21 s VAR, CERMET 5k
 RV4 1-237-519-21 s VAR, CERMET 20k
 RV5 1-237-516-21 s VAR, CERMET 2k

RV6 1-237-515-21 s VAR, CERMET 1k
 RV7 1-237-514-21 s VAR, CERMET 500
 RV8 1-237-518-21 s VAR, CERMET 10k
 RV9 1-237-514-21 s VAR, CERMET 500
 RV10 1-237-518-21 s VAR, CERMET 10k

RV11 1-237-517-21 s VAR, CERMET 5k
 RV12 1-237-518-21 s VAR, CERMET 10k
 RV13 1-237-518-21 s VAR, CERMET 10k
 RV14 1-237-518-21 s VAR, CERMET 10k
 RV15 1-237-517-21 s VAR, CERMET 5k

S3 1-554-150-00 s DIP
 S4 1-554-150-00 s DIP

TH1 1-800-202-11 s S-10K

8) TBC-12P BOARD

This board includes the NR-32 board.

A-6726-078-A o MOUNTED CIRCUIT BOARD, TBC-12P

C100 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C101 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C102 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C103 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C104 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V

C105 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C106 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C107 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C108 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C109 1-162-638-11 s CERAMIC CHIP 1 16V

C110 1-162-638-11 s CERAMIC CHIP 1 16V
 C113 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C114 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C117 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C118 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V

C120 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C122 1-162-638-11 s CERAMIC CHIP 1 16V
 C127 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C138 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C139 1-162-637-11 s CERAMIC CHIP 0.47 16V

C140 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C142 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C144 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C145 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C146 1-162-637-11 s CERAMIC CHIP 0.47 16V

C147 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C200 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C201 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C202 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C205 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V

C207 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C208 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C210 1-162-638-11 s CERAMIC CHIP 1 16V
 C211 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C212 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V

C213 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C214 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C216 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C218 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C221 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V

C222 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C300 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C301 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C400 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C401 1-162-637-11 s CERAMIC CHIP 0.47 16V

C402 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C403 1-162-637-11 s CERAMIC CHIP 0.47 16V
 C404 1-162-638-11 s CERAMIC CHIP 1 16V
 C405 1-162-638-11 s CERAMIC CHIP 1 16V
 C408 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V

C409 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C420 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C421 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C422 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V
 C423 1-163-037-11 s CERAMIC CHIP 0.022 10% 25V

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description	Ref.No.	Parts No.	SP	Description
C428	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	D801	8-719-100-03	■	1S2835
C442	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	D802	8-719-100-03	■	1S2835
C443	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	D803	8-719-100-03	■	1S2835
C444	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	D900	8-719-100-03	■	1S2835
C500	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V				
C501	1-162-637-11	■	CERAMIC CHIP 0.47 16V				
C502	1-162-637-11	■	CERAMIC CHIP 0.47 16V	DL250	1-415-546-11	■	50ns
C503	1-162-637-11	■	CERAMIC CHIP 0.47 16V				
C504	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC100	8-759-012-13	■	MC10H125M (MOTOROLA)
C507	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC102	8-759-208-76	■	CXD1023AQ (SONY)
C509	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC103	8-749-901-39	■	SBX4001-01 (FUJITSU)
C511	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC104	8-759-201-41	■	TB62901P (TOSHIBA)
C512	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC106	8-759-981-96	■	RC4560M (RAYTHEON)
C513	1-162-638-11	■	CERAMIC CHIP 1 16V				
C514	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC107	8-759-945-29	■	TL601CP8 (TI)
C518	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC108	8-759-904-80	■	74F04PC (FSC)
C520	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC109	8-759-204-96	■	TC74HC04F (TOSHIBA)
C521	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC110	8-759-204-96	■	TC74HC04F (TOSHIBA)
C523	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC112	8-759-983-11	■	CXD8024AQ (SONY)
C524	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V				
C525	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC113	8-759-948-37	■	CXD1326AQ (SONY)
C526	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC114	8-759-930-50	■	SN74LS17NS (TI)
C527	1-162-638-11	■	CERAMIC CHIP 1 16V	IC200	8-759-144-87	■	uPD41101G-1 (NEC)
C530	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC201	8-759-208-88	■	CXD1131Q (SONY)
C532	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC202	8-759-981-96	■	RC4560M (RAYTHEON)
C535	1-162-637-11	■	CERAMIC CHIP 0.47 16V	IC203	8-759-933-52	■	MB40778P (FUJITSU)
C536	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC204	8-759-981-96	■	RC4560M (RAYTHEON)
C540	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC401	8-759-208-76	■	TC74HC04F (SONY)
C543	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC402	8-749-901-39	■	SBX4001-01 (FUJITSU)
C603	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC403	8-759-205-08	■	TC74HC68F (TOSHIBA)
C801	1-162-637-11	■	CERAMIC CHIP 0.47 16V	IC404	8-759-205-21	■	TC74HC221F (TOSHIBA)
C802	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC405	8-749-901-21	■	EX1461 (SONY)
C803	1-162-637-11	■	CERAMIC CHIP 0.47 16V	IC406	8-759-200-81	■	TC4053BFF (TOSHIBA)
C804	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC407	8-759-908-17	■	TL082CP8 (TI)
C805	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC408	8-759-907-81	■	SN74LS22NS (TI)
C807	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC409	8-759-204-96	■	TC74HC04F (TOSHIBA)
C808	1-162-637-11	■	CERAMIC CHIP 0.47 16V	IC500	8-759-144-87	■	uPD41101G-1 (NEC)
C901	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC501	8-759-144-87	■	uPD41101G-1 (NEC)
C902	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC502	8-759-208-88	■	CXD1131Q (SONY)
C904	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC504	8-759-204-96	■	TC74HC00F (TOSHIBA)
C906	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC505	8-759-001-98	■	MC10198L (MOTOROLA)
C911	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC506	8-759-933-52	■	MB40778P (FUJITSU)
C913	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC507	8-759-933-52	■	MB40778P (FUJITSU)
C915	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC508	8-759-907-81	■	SN74LS22NS (TI)
C917	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC509	8-759-981-96	■	RC4560M (RAYTHEON)
C918	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC510	8-759-204-98	■	TC74HC08P (TOSHIBA)
C920	1-163-037-11	■	CERAMIC CHIP 0.022 10X 25V	IC512	8-759-925-85	■	SN74HC32NS (TI)
CN106	1-506-746-11	■	DIN 48P	IC601	8-759-205-06	■	TC74HC74F (TOSHIBA)
CN107	1-506-748-11	■	DIN 96P	IC603	8-759-930-50	■	SN74LS1157NS (TI)
CV102	1-141-404-11	■	VAR, TRIMMER 30pF	IC801	8-759-925-84	■	SN74HC30NS (TI)
CV103	1-141-404-11	■	VAR, TRIMMER 30pF	IC802	8-759-925-84	■	SN74HC30NS (TI)
D201	8-719-105-52	■	RD3.6M-82	IC803	8-759-925-84	■	SN74HC30NS (TI)
D202	8-719-105-52	■	RD3.6M-82	IC804	8-759-205-37	■	TC74HC574F (TOSHIBA)
D400	8-719-100-03	■	1S2835	IC805	8-759-205-37	■	TC74HC574F (TOSHIBA)
D500	8-719-106-17	■	RD6.8M-82	IC806	8-759-144-87	■	uPD41101G-1 (NEC)
D501	8-719-106-17	■	RD6.8M-82	IC807	8-759-926-76	■	SN74HC540NS (TI)
				IC810	8-759-012-02	■	MC10H124M (MOTOROLA)
				IC811	8-759-012-02	■	MC10H124M (MOTOROLA)
				IC812	8-759-012-02	■	MC10H124M (MOTOROLA)
				IC813	8-759-904-80	■	74F04PC (FSC)

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Ref.No. Parts No. SP Description

IC814 8-759-205-37 TC74HC574F (TOSHIBA)
 IC815 8-759-144-87 uPD41101G-1 (NEC)
 IC816 8-759-205-37 TC74HC574F (TOSHIBA)
 IC900 8-759-929-26 TL431CPS (TI)
 IC901 8-759-708-09 NJM78L09A (JRC)

L100 1-410-470-11 MICRO 10
 L101 1-410-470-11 MICRO 10
 L102 1-410-470-11 MICRO 10
 L103 1-410-470-11 MICRO 10
 L200 1-410-478-11 MICRO 47

L201 1-410-478-11 MICRO 47
 L203 1-410-478-11 MICRO 47
 L300 1-410-478-11 MICRO 47
 L301 1-410-478-11 MICRO 47
 L400 1-410-470-11 MICRO 10

L401 1-410-470-11 MICRO 10
 L500 1-410-478-11 MICRO 47
 L502 1-410-478-11 MICRO 47
 L504 1-410-478-11 MICRO 47
 L505 1-410-478-11 MICRO 47

L900 1-421-329-00 CHOKE
 L901 1-421-329-00 CHOKE
 L902 1-421-329-00 CHOKE
 L903 1-421-329-00 CHOKE
 L904 1-421-329-00 CHOKE

Q201 8-729-100-66 28C1623
 Q202 8-729-102-07 28C2223-F13
 Q203 8-729-102-07 28C2223-F13
 Q204 8-729-100-66 28C1623
 Q205 8-729-109-43 28K94-X3

Q250 8-729-100-66 28C1623
 Q251 8-729-100-76 28A812
 Q400 8-729-100-66 28C1623
 Q401 8-729-100-76 28A812
 Q402 8-729-100-76 28A812

Q500 8-729-100-66 28C1623
 Q501 8-729-100-66 28C1623
 Q502 8-729-100-66 28C1623
 Q503 8-729-100-66 28C1623
 Q504 8-729-100-66 28C1623

Q505 8-729-100-66 28C1623
 Q801 8-729-900-53 DTC114EX
 Q802 8-729-900-53 DTC114EX
 Q803 8-729-900-53 DTC114EX
 Q900 8-729-106-68 28B1615A-GP

R138 1-216-667-11 METAL CHIP 4.7k 0.50X 1/10W
 R139 1-216-667-11 METAL CHIP 4.7k 0.50X 1/10W
 R140 1-216-680-11 METAL CHIP 16k 0.50X 1/10W
 R141 1-216-675-11 METAL CHIP 10k 0.50X 1/10W
 R142 1-216-662-11 METAL CHIP 3k 0.50X 1/10W

R143 1-216-667-11 METAL CHIP 4.7k 0.50X 1/10W
 R144 1-216-676-11 METAL CHIP 11k 0.50X 1/10W
 R145 1-216-683-11 METAL CHIP 22k 0.50X 1/10W
 R146 1-216-672-11 METAL CHIP 7.5k 0.50X 1/10W
 R202 1-216-672-11 METAL CHIP 7.5k 0.50X 1/10W

Ref.No. Parts No. SP Description

R203 1-216-679-11 METAL CHIP 15k 0.50X 1/10W
 R204 1-216-679-11 METAL CHIP 15k 0.50X 1/10W
 R205 1-216-661-11 METAL CHIP 2.7k 0.50X 1/10W
 R206 1-216-674-11 METAL CHIP 9.1k 0.50X 1/10W
 R208 1-216-677-11 METAL CHIP 12k 0.50X 1/10W

R209 1-216-676-11 METAL CHIP 11k 0.50X 1/10W
 R216 1-216-660-11 METAL CHIP 2.4k 0.50X 1/10W
 R217 1-216-672-11 METAL CHIP 7.5k 0.50X 1/10W
 R220 1-216-679-11 METAL CHIP 15k 0.50X 1/10W
 R223 1-216-678-11 METAL CHIP 13k 0.50X 1/10W

R229 1-216-679-11 METAL CHIP 15k 0.50X 1/10W
 R254 1-216-638-11 METAL CHIP 300 0.50X 1/10W
 R255 1-216-638-11 METAL CHIP 300 0.50X 1/10W
 R256 1-216-619-11 METAL CHIP 47 0.50X 1/10W
 R257 1-216-651-11 METAL CHIP 1k 0.50X 1/10W

R258 1-216-655-11 METAL CHIP 1.5k 0.50X 1/10W
 R260 1-216-655-11 METAL CHIP 1.5k 0.50X 1/10W
 R261 1-216-643-11 METAL CHIP 470 0.50X 1/10W
 R262 1-216-646-11 METAL CHIP 620 0.50X 1/10W
 R266 1-216-619-11 METAL CHIP 47 0.50X 1/10W

R418 1-216-677-11 METAL CHIP 12k 0.50X 1/10W
 R424 1-216-683-11 METAL CHIP 22k 0.50X 1/10W
 R425 1-216-673-11 METAL CHIP 8.2k 0.50X 1/10W
 R426 1-216-675-11 METAL CHIP 10k 0.50X 1/10W
 R427 1-216-655-11 METAL CHIP 1.5k 0.50X 1/10W

R428 1-216-655-11 METAL CHIP 1.5k 0.50X 1/10W
 R430 1-216-659-11 METAL CHIP 2.2k 0.50X 1/10W
 R432 1-216-667-11 METAL CHIP 4.7k 0.50X 1/10W
 R433 1-216-667-11 METAL CHIP 4.7k 0.50X 1/10W
 R510 1-216-679-11 METAL CHIP 15k 0.50X 1/10W

R511 1-216-679-11 METAL CHIP 15k 0.50X 1/10W
 R512 1-216-672-11 METAL CHIP 7.5k 0.50X 1/10W
 R513 1-216-679-11 METAL CHIP 15k 0.50X 1/10W
 R514 1-216-661-11 METAL CHIP 2.7k 0.50X 1/10W
 R515 1-216-674-11 METAL CHIP 9.1k 0.50X 1/10W

R520 1-216-646-11 METAL CHIP 620 0.50X 1/10W
 R521 1-216-653-11 METAL CHIP 1.2k 0.50X 1/10W
 R524 1-216-624-11 METAL CHIP 75 0.50X 1/10W
 R529 1-216-660-11 METAL CHIP 2.4k 0.50X 1/10W
 R530 1-216-674-11 METAL CHIP 9.1k 0.50X 1/10W

R535 1-216-646-11 METAL CHIP 620 0.50X 1/10W
 R536 1-216-653-11 METAL CHIP 1.2k 0.50X 1/10W
 R539 1-216-624-11 METAL CHIP 75 0.50X 1/10W
 R540 1-216-677-11 METAL CHIP 12k 0.50X 1/10W
 R541 1-216-660-11 METAL CHIP 2.4k 0.50X 1/10W

R542 1-216-678-11 METAL CHIP 13k 0.50X 1/10W
 R546 1-216-635-11 METAL CHIP 220 0.50X 1/10W
 R549 1-216-682-11 METAL CHIP 20k 0.50X 1/10W
 R571 1-216-635-11 METAL CHIP 220 0.50X 1/10W
 R572 1-216-635-11 METAL CHIP 220 0.50X 1/10W

R573 1-216-677-11 METAL CHIP 12k 0.50X 1/10W
 R605 1-216-679-11 METAL CHIP 15k 0.50X 1/10W
 R901 1-216-675-11 METAL CHIP 10k 0.50X 1/10W
 R902 1-216-675-11 METAL CHIP 10k 0.50X 1/10W

RV200 1-237-501-21 VAR, CERMET 2k

RV250 1-237-501-21 VAR, CERMET 2k

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

TC-40P BOARD

A-6717-472-A o MOUNTED CIRCUIT BOARD, TC-40P

C32	1-102-114-00	s	CERAMIC CHIP	470pF	10Z	50V
C59	1-124-236-00	s	ELECT	47	20X	16V
C60	1-124-236-00	s	ELECT	47	20X	16V
C201	1-124-236-00	s	ELECT	47	20X	16V
C203	1-124-236-00	s	ELECT	47	20X	16V
C205	1-124-236-00	s	ELECT	47	20X	16V
C209	1-124-462-00	s	ELECT	10	20X	16V
C214	1-124-462-00	s	ELECT	10	20X	16V
C215	1-124-236-00	s	ELECT	47	20X	16V
C216	1-124-236-00	s	ELECT	47	20X	16V
C217	1-124-462-00	s	ELECT	10	20X	16V
C218	1-124-236-00	s	ELECT	47	20X	16V
C219	1-124-236-00	s	ELECT	47	20X	16V
C220	1-124-462-00	s	ELECT	10	20X	16V
C221	1-124-236-00	s	ELECT	47	20X	16V
C222	1-126-103-11	s	ELECT	470	20X	16V
C223	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C224	1-126-103-11	s	ELECT	470	20X	16V
C225	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C229	1-124-236-00	s	ELECT	47	20X	16V
C230	1-124-236-00	s	ELECT	47	20X	16V
C231	1-124-462-00	s	ELECT	10	20X	16V
C232	1-124-462-00	s	ELECT	10	20X	16V
C233	1-124-236-00	s	ELECT	47	20X	16V
C234	1-124-236-00	s	ELECT	47	20X	16V
C236	1-124-236-00	s	ELECT	47	20X	16V
C238	1-124-462-00	s	ELECT	10	20X	16V
C239	1-124-236-00	s	ELECT	47	20X	16V
C240	1-124-236-00	s	ELECT	47	20X	16V
C241	1-124-236-00	s	ELECT	47	20X	16V
C242	1-124-236-00	s	ELECT	47	20X	16V
C246	1-123-611-00	s	ELECT	1	20X	50V
C251	1-124-462-00	s	ELECT	10	20X	16V
C253	1-124-236-00	s	ELECT	47	20X	16V
C254	1-124-236-00	s	ELECT	47	20X	16V
C255	1-124-462-00	s	ELECT	10	20X	16V
C256	1-124-462-00	s	ELECT	10	20X	16V
C257	1-124-236-00	s	ELECT	47	20X	16V
C272	1-126-103-11	s	ELECT	470	20X	16V
C273	1-126-103-11	s	ELECT	470	20X	16V
C276	1-124-234-00	s	ELECT	22	20X	16V
C277	1-124-234-00	s	ELECT	22	20X	16V
C279	1-124-236-00	s	ELECT	47	20X	16V
C403	1-124-236-00	s	ELECT	47	20X	16V
C405	1-124-236-00	s	ELECT	47	20X	16V
C406	1-123-611-00	s	ELECT	1	20X	50V
CN205	1-506-748-11	s	DIN 96P			
CP1	1-464-800-13	s	OSCILLATOR BLOCK, ERASE			

Ref.No. Parts No. SP Description

D1	8-719-100-03	s	I52835			
D2	8-719-100-03	s	I52835			
D3	8-719-100-03	s	I52835			
D4	8-719-100-03	s	I52835			
D5	8-719-100-03	s	I52835			
D201	8-719-101-23	s	I58123			
D203	8-719-101-23	s	I58123			
D204	8-719-101-23	s	I58123			
D206	8-719-100-03	s	I52835			
D207	8-719-101-23	s	I58123			
D401	8-719-100-03	s	I52835			
D403	8-719-100-03	s	I52835			
IC1	8-759-700-94	s	NJM5532M (JRC)			
IC2	8-759-700-94	s	NJM5532M (JRC)			
IC3	8-759-982-04	s	RC5532M (RAYTHEON)			
IC201	8-759-700-43	s	NJM4558M (JRC)			
IC202	8-759-700-43	s	NJM4558M (JRC)			
IC203	8-759-208-11	s	TC4053BFB (TOSHIBA)			
IC204	8-759-700-07	s	NJM2903M (JRC)			
IC205	8-759-201-00	s	TC4052BF (TOSHIBA)			
IC206	8-759-700-78	s	NUM082M (JRC)			
IC207	8-759-201-00	s	TC4052BF (TOSHIBA)			
IC208	8-759-700-43	s	NJM4558M (JRC)			
IC209	8-759-208-11	s	TC4053BFB (TOSHIBA)			
IC210	8-759-700-43	s	NJM4558M (JRC)			
IC211	8-759-705-62	s	NJM4562D-D (JRC)			
IC212	8-759-200-90	s	TC4538BF (TOSHIBA)			
IC213	8-759-200-77	s	TC4028BF (TOSHIBA)			
IC214	8-759-204-06	s	TC4073BF (TOSHIBA)			
IC215	8-759-745-56	s	NJM456D (JRC)			
IC216	8-759-700-43	s	NJM4558M (JRC)			
IC401	8-759-970-83	s	M88525-190M (FUJITSU)			
IC402	8-759-301-13	s	HD14584BFP (HITACHI)			
IC403	8-759-200-82	s	TC40690BF (TOSHIBA)			
IC404	8-759-014-03	s	SN74LS06N (TI)			
IC405	8-759-200-82	s	TC40690BF (TOSHIBA)			
IC406	8-759-600-61	s	M54529AP (MATSUITA)			
IC407	8-759-200-68	s	TC4011BF (TOSHIBA)			
IC408	8-759-200-68	s	TC4011BF (TOSHIBA)			
IC409	8-759-200-68	s	TC4011BF (TOSHIBA)			
IC410	8-759-205-78	s	TC504013BF (TOSHIBA)			
IC411	8-759-205-78	s	TC504013BF (TOSHIBA)			
IC412	8-759-205-78	s	TC504013BF (TOSHIBA)			
IC413	8-759-914-03	s	SN74LS06N (TI)			
IC415	8-759-200-82	s	TC40690BF (TOSHIBA)			
L1	1-459-155-00	s	45 (WITH CORE)			
L2	1-459-155-00	s	45 (WITH CORE)			
L3	1-459-155-00	s	45 (WITH CORE)			
L4	1-459-155-00	s	45 (WITH CORE)			
L5	1-459-155-00	s	45 (WITH CORE)			
L201	1-459-155-00	s	45 (WITH CORE)			
L202	1-459-155-00	s	45 (WITH CORE)			
L401	1-459-155-00	s	45 (WITH CORE)			

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

Q1 8-729-216-22 # 2SA1162
 Q2 8-729-216-22 # 2SA1162
 Q3 8-729-202-38 # 2SC3326N
 Q4 8-729-216-22 # 2SA1162
 Q5 8-729-216-22 # 2SA1162

Q6 8-729-216-22 # 2SA1162
 Q7 8-729-202-38 # 2SC3326N
 Q8 8-729-216-22 # 2SA1162
 Q9 8-729-216-22 # 2SA1162
 Q10 8-729-216-22 # 2SA1162

Q11 8-729-202-38 # 2SC3326N
 Q12 8-729-216-22 # 2SA1162
 Q13 8-729-271-22 # 2SC2712-G
 Q14 8-729-216-22 # 2SA1162
 Q15 8-729-177-33 # 2SD773-4

Q16 8-729-113-33 # 2SB733-4
 Q17 8-729-271-22 # 2SD773-4
 Q18 8-729-216-22 # 2SA1162
 Q19 8-729-177-33 # 2SD773-4
 Q20 8-729-113-33 # 2SB733-4

Q21 8-729-271-22 # 2SC2712-G
 Q22 8-729-216-22 # 2SA1162
 Q23 8-729-177-33 # 2SD773-4
 Q24 8-729-113-33 # 2SB733-4
 Q25 8-729-201-05 # 2SC2878-B

Q26 8-729-201-05 # 2SC2878-B
 Q27 8-729-201-05 # 2SC2878-B
 Q28 8-729-201-05 # 2SC2878-B
 Q29 8-729-201-05 # 2SC2878-B
 Q30 8-729-201-05 # 2SC2878-B

Q31 8-729-216-22 # 2SA1162
 Q32 8-729-982-23 # 2SB822-R
 Q33 8-729-271-22 # 2SC2712-G
 Q34 8-729-271-22 # 2SC2712-G
 Q35 8-729-271-22 # 2SC2712-G

Q36 8-729-216-22 # 2SA1162
 Q37 8-729-271-22 # 2SC2712-G
 Q38 8-729-901-04 # DTA144EK
 Q39 8-729-202-38 # 2SC3326N
 Q40 8-729-202-38 # 2SC3326N

Q201 8-729-600-27 # 2SC634SP
 Q202 8-729-117-54 # 2SA1175
 Q203 8-729-271-22 # 2SC2712-G
 Q204 8-729-271-22 # 2SC2712-G
 Q205 8-729-901-04 # DTA144EK

Q207 8-729-202-38 # 2SC3326N
 Q208 8-729-202-38 # 2SC3326N
 Q209 8-729-202-38 # 2SC3326N
 Q210 8-729-202-38 # 2SC3326N
 Q211 8-729-271-22 # 2SC2712-G

Q212 8-729-271-22 # 2SC2712-G
 Q213 8-729-109-44 # 2SK94
 Q214 8-729-109-11 # DTA144EK
 Q215 8-729-109-44 # DTA144EK
 Q216 8-729-109-44 # DTA144EK

Q401 8-729-271-22 # 2SC2712-G
 Q402 8-729-271-22 # 2SC2712-G

Ref.No. Parts No. SP Description

R15 1-216-675-11 # METAL CHIP 10k 0.50% 1/10W
 R16 1-216-647-11 # METAL CHIP 680 0.50% 1/10W
 R18 1-216-655-11 # METAL CHIP 1.5k 0.50% 1/10W
 R33 1-216-675-11 # METAL CHIP 10k 0.50% 1/10W
 R34 1-216-647-11 # METAL CHIP 680 0.50% 1/10W

R36 1-216-655-11 # METAL CHIP 1.5k 0.50% 1/10W
 R55 1-216-671-11 # METAL CHIP 6.8k 0.50% 1/10W
 R56 1-216-655-11 # METAL CHIP 1.5k 0.50% 1/10W
 R57 1-216-655-11 # METAL CHIP 1.5k 0.50% 1/10W
 R58 1-216-671-11 # METAL CHIP 6.8k 0.50% 1/10W

R66 1-216-659-11 # METAL CHIP 2.2k 0.50% 1/10W
 R67 1-216-658-11 # METAL CHIP 2k 0.50% 1/10W
 R73 1-249-453-11 # CARBON 3.3 5% 1/4W
 R74 1-249-453-11 # CARBON 3.3 5% 1/4W
 R80 1-249-453-11 # CARBON 3.3 5% 1/4W

R81 1-249-453-11 # CARBON 3.3 5% 1/4W
 R84 1-216-651-11 # METAL CHIP 1k 0.50% 1/10W
 R87 1-249-453-11 # CARBON 3.3 5% 1/4W
 R88 1-249-453-11 # CARBON 3.3 5% 1/4W
 R91 1-249-451-11 # CARBON 2.2 5% 1/4W

R94 1-249-447-11 # CARBON 1 5% 1/4W
 R97 1-249-447-11 # CARBON 1 5% 1/4W
 R100 1-249-447-11 # CARBON 1 5% 1/4W
 R109 1-249-447-11 # CARBON 1 5% 1/4W
 R110 1-216-651-11 # METAL CHIP 1k 0.50% 1/10W

R118 1-216-653-11 # METAL CHIP 1.2k 0.50% 1/10W
 R120 1-216-653-11 # METAL CHIP 1.2k 0.50% 1/10W
 R121 1-216-651-11 # METAL CHIP 1k 0.50% 1/10W
 R122 1-216-651-11 # METAL CHIP 1k 0.50% 1/10W
 R227 1-216-666-11 # METAL CHIP 4.3k 0.50% 1/10W

R337 1-216-675-11 # METAL CHIP 10k 0.50% 1/10W
 R338 1-216-647-11 # METAL CHIP 680 0.50% 1/10W
 R341 1-216-624-11 # METAL CHIP 75 0.50% 1/10W
 R342 1-216-676-11 # METAL CHIP 11k 0.50% 1/10W
 R343 1-216-624-11 # METAL CHIP 75 0.50% 1/10W

R344 1-216-675-11 # METAL CHIP 10k 0.50% 1/10W
 R345 1-216-663-11 # METAL CHIP 3.3k 0.50% 1/10W
 R346 1-216-663-11 # METAL CHIP 3.3k 0.50% 1/10W
 R347 1-216-663-11 # METAL CHIP 3.3k 0.50% 1/10W
 R348 1-216-663-11 # METAL CHIP 3.3k 0.50% 1/10W

R349 1-216-675-11 # METAL CHIP 10k 0.50% 1/10W

RV1 1-237-518-21 # VAR, CERMET 10k
 RV2 1-237-518-21 # VAR, CERMET 10k
 RV3 1-237-518-21 # VAR, CERMET 10k
 RV4 1-237-519-21 # VAR, CERMET 20k
 RV5 1-237-512-21 # VAR, CERMET 100

RV6 1-237-518-21 # VAR, CERMET 10k
 RV7 1-237-515-21 # VAR, CERMET 1k
 RV201 1-237-516-21 # VAR, CERMET 2k
 RV202 1-237-516-21 # VAR, CERMET 2k

TH1 1-800-200-11 # S-3K
 TH2 1-800-200-11 # S-3K

X401 1-567-143-00 # OSCILLATOR, CERAMIC 6.000MHz

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

TR-18 BOARD

1-611-279-13 o PRINTED CIRCUIT BOARD, TR-18

8-749-020-80 s DM-208

VO-18P BOARD

This board includes the DUS-270 board.

A-6711-892-A s MOUNTED CIRCUIT BOARD, VO-18P

C3	1-124-584-00	s	ELECT	100	20X	10V
C5	1-124-584-00	s	ELECT	100	20X	10V
C15	1-124-224-00	s	ELECT	47	20X	6.3V
C18	1-163-111-00	s	CERAMIC CHIP	5pF	5X	50V
C20	1-124-225-00	s	ELECT	100	20X	6.3V
C27	1-124-236-00	s	ELECT	47	20X	10V
C29	1-124-236-00	s	ELECT	47	20X	10V
C30	1-124-222-00	s	ELECT	22	20X	6.3V
C32	1-123-611-00	s	ELECT	1	20X	50V
C45	1-124-584-00	s	ELECT	100	20X	10V
C48	1-124-584-00	s	ELECT	100	20X	10V
C55	1-124-584-00	s	ELECT	100	20X	10V
C56	1-124-584-00	s	ELECT	100	20X	10V
C70	1-124-584-00	s	ELECT	100	20X	10V
C76	1-124-225-00	s	ELECT	100	20X	6.3V
C78	1-124-224-00	s	ELECT	47	20X	6.3V
C87	1-124-224-00	s	ELECT	47	20X	6.3V
C616	1-124-225-00	s	ELECT	100	20X	6.3V
C646	1-124-234-00	s	ELECT	22	20X	16V
C648	1-124-234-00	s	ELECT	22	20X	16V
C651	1-136-157-00	s	MYLAR	0.022	10X	50V
C653	1-130-519-00	s	MYLAR	0.018	10X	50V
C702	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C703	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C704	1-124-462-00	s	ELECT	10	20X	16V
C705	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C706	1-124-462-00	s	ELECT	10	20X	16V
C707	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C710	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C714	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C715	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C716	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C718	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C719	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C720	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C721	1-124-462-00	s	ELECT	10	20X	16V
C722	1-124-234-00	s	ELECT	22	20X	10V
C723	1-124-234-00	s	ELECT	22	20X	10V
C724	1-124-229-00	s	ELECT	33	20X	10V
C725	1-124-224-00	s	ELECT	47	20X	6.3V
C726	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C727	1-163-033-00	s	CERAMIC CHIP	0.022		50V
C729	1-124-229-00	s	ELECT	33	20X	10V
C730	1-124-225-00	s	ELECT	100	20X	6.3V
C731	1-124-225-00	s	ELECT	100	20X	6.3V

Ref.No. Parts No. SP Description

CN103 1-506-748-11 s DIN 96P

CV1 1-141-260-11 s TRIMMER 50pF

D1 8-719-101-23 s 1SS123

D601 8-719-101-23 s 1SS123

D602 8-719-101-23 s 1SS123

D603 8-719-921-11 s HZ2ALL

D604 8-719-921-11 s HZ2ALL

D605 8-719-104-23 s 1SS123

DL1 1-415-565-11 s 370ns

DL2 1-415-543-11 s 300ns

DL700 1-415-538-11 s 100ns

FB601 1-535-178-00 s FERRITE BEAD

FB602 1-535-178-00 s FERRITE BEAD

7) FL1 1-236-005-11 s LOW-PASS 5.5MHz

8) FL1 1-236-393-11 s LOW-PASS

FL601 1-236-014-11 s BANDPASS 310kHz

FL602 1-236-015-11 s BANDPASS 540kHz

FL603 1-236-011-11 s LOW-PASS 1.0MHz

FL604 1-236-011-11 s LOW-PASS 1.0MHz

FL700 1-236-091-11 s LOW-PASS 4.00MHz

FL701 1-236-091-11 s LOW-PASS 4.00MHz

IC1 8-759-014-29 s MC34184M (MOTOROLA)

IC3 8-759-947-82 s TL610CPS (TI)

IC4 8-752-015-81 s CX20158 (SONY)

IC5 8-752-015-81 s CX20158 (SONY)

IC6 8-752-015-81 s CX20158 (SONY)

IC7 8-759-204-94 s TC74HC00F (TOSHIBA)

IC8 8-759-941-17 s SN74LS06NS (TI)

IC9 8-759-204-98 s TC74HC08F (TOSHIBA)

IC10 8-759-204-96 s TC74HC04F (TOSHIBA)

IC11 8-752-015-81 s CX20158 (SONY)

IC12 8-752-015-81 s CX20158 (SONY)

IC13 8-752-015-81 s CX20158 (SONY)

IC14 8-759-015-81 s CX20158 (SONY)

IC15 8-759-908-17 s TL082CF (TI)

IC16 8-759-009-07 s MC14053BF (MOTOROLA)

IC17 8-759-030-16 s MC34182M (MOTOROLA)

IC100 8-759-708-05 s NJM78L05A (JRC)

IC101 8-759-708-08 s NJM78L05A (JRC)

IC102 8-759-700-65 s NJM79L05A (JRC)

IC103 8-759-700-67 s NJM79L05A (JRC)

IC104 8-759-708-05 s NJM78L05A (JRC)

IC105 8-759-700-65 s NJM79L05A (JRC)

IC106 8-759-708-05 s NJM78L05A (JRC)

IC107 8-759-700-65 s NJM79L05A (JRC)

IC108 8-759-941-79 s 8-80230AG (SEIKO I AND E)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

IC109 8-759-708-08 s NJM78L08A (JRC)
 IC110 8-759-700-65 s NJM78L05A (JRC)
 IC111 8-759-937-61 s 9-81230AG (SEIKO I AND E)
 IC112 8-759-708-05 s NJM78L05A (JRC)
 IC113 8-759-700-65 s NJM78L05A (JRC)

IC601 8-752-011-10 s CX20111 (SONY)
 IC602 8-752-011-10 s CX20111 (SONY)
 IC603 8-759-200-78 s TC4030BF (TOSHIBA)
 IC604 8-759-700-43 s NJM4558M (JRC)
 IC605 8-759-205-78 s TC504013BF (TOSHIBA)

IC606 8-759-200-90 s TC4538BF (TOSHIBA)
 IC700 8-759-941-27 s MB4002PF (FUJITSU)
 IC701 8-759-929-80 s SN74LS08NS (TI)
 IC702 8-749-938-10 s BX381 (SONY)
 IC703 8-759-030-16 s MC34182M (MOTOROLA)

IC704 8-759-100-93 s uPC393G2 (JRC)
 IC705 8-759-206-28 s TC74HC123F (TOSHIBA)
 IC706 8-759-947-82 s TL610CPS (TI)
 IC707 8-752-015-81 s CX20158 (SONY)
 IC708 8-759-929-78 s SN74LS04NS (TI)

L1 1-421-329-00 s CHOKE
 L2 1-421-329-00 s CHOKE
 L3 1-421-329-00 s CHOKE
 L4 1-421-329-00 s CHOKE
 L5 1-421-329-00 s CHOKE

L7 1-410-478-11 s MICRO 47
 L8 1-410-478-11 s MICRO 47
 L9 1-410-478-11 s MICRO 47
 L12 1-410-478-11 s MICRO 47
 L13 1-410-478-11 s MICRO 47

L14 1-410-478-11 s MICRO 47
 L17 1-410-482-11 s MICRO 100
 L19 1-410-467-21 s MICRO 5.6
 L701 1-410-478-11 s MICRO 47
 L702 1-410-478-11 s MICRO 47
 L703 1-410-478-11 s MICRO 47
 L704 1-410-478-11 s MICRO 47

LV1 1-407-575-00 s VAR 100
 LV2 1-407-575-00 s VAR 100

Q1 8-729-100-66 s 2SC1623
 Q2 8-729-100-66 s 2SC1623
 Q3 8-729-100-66 s 2SC1623
 Q4 8-729-100-66 s 2SC1623
 Q5 8-729-100-66 s 2SC1623

Q6 8-729-102-08 s 2SC2223-F14
 Q7 8-729-100-66 s 2SC1623
 Q8 8-729-100-66 s 2SC1623
 Q9 8-729-100-66 s 2SC1623
 Q10 8-729-100-66 s 2SC1623

Q11 8-729-907-27 s IMX1
 Q12 8-729-100-66 s 2SC1623
 Q14 8-729-100-66 s 2SC1623
 Q15 8-729-122-63 s 2SA1226
 Q16 8-729-201-27 s 2SC2715-Y

Ref.No. Parts No. SP Description

Q17 8-729-201-27 s 2SC2715-Y
 Q18 8-729-201-27 s 2SC2715-Y
 Q19 8-729-100-76 s 2SA812
 Q20 8-729-201-27 s 2SC2715-Y
 Q25 8-729-201-27 s 2SC2715-Y

Q27 8-729-100-76 s 2SA812
 Q28 8-729-100-66 s 2SC1623
 Q29 8-729-100-66 s 2SC1623
 Q30 8-729-904-41 s FMY3
 Q31 8-729-122-63 s 2SA1226

Q32 8-729-201-27 s 2SC2715-Y
 Q35 8-729-100-66 s 2SC1623
 Q36 8-729-100-66 s 2SC1623
 Q37 8-729-100-66 s 2SC1623
 Q38 8-729-907-27 s IMX1

Q39 8-729-100-66 s 2SC1623
 Q501 8-729-100-76 s 2SA812
 Q502 8-729-100-76 s 2SA812
 Q503 8-729-902-96 s FMS1
 Q504 8-729-903-10 s FWM1

Q601 8-729-271-22 s 2SC2712-G
 Q602 8-729-271-22 s 2SC2712-G
 Q603 8-729-271-22 s 2SC2712-G
 Q604 8-729-271-22 s 2SC2712-G
 Q605 8-729-271-22 s 2SC2712-G

Q700 8-729-100-66 s 2SC1623
 Q701 8-729-100-66 s 2SC1623
 Q702 8-729-100-66 s 2SC1623
 Q703 8-729-100-66 s 2SC1623
 Q704 8-729-904-41 s FMY3

R1 1-216-638-11 s METAL CHIP 300 0.50X 1/10W
 R2 1-216-639-11 s METAL CHIP 330 0.50X 1/10W
 R4 1-216-639-11 s METAL CHIP 330 0.50X 1/10W
 R5 1-216-641-11 s METAL CHIP 390 0.50X 1/10W
 R7 1-216-647-11 s METAL CHIP 680 0.50X 1/10W

R8 1-216-641-11 s METAL CHIP 390 0.50X 1/10W
 R11 1-216-641-11 s METAL CHIP 390 0.50X 1/10W
 R14 1-216-659-11 s METAL CHIP 2.2k 0.50X 1/10W
 R15 1-216-659-11 s METAL CHIP 2.2k 0.50X 1/10W
 R16 1-216-627-11 s METAL CHIP 100 0.50X 1/10W

R17 1-216-650-11 s METAL CHIP 910 0.50X 1/10W
 R18 1-216-659-11 s METAL CHIP 2.2k 0.50X 1/10W
 R26 1-216-643-11 s METAL CHIP 470 0.50X 1/10W
 R27 1-216-631-11 s METAL CHIP 150 0.50X 1/10W
 R30 1-216-677-11 s METAL CHIP 12k 0.50X 1/10W

R31 1-216-645-11 s METAL CHIP 560 0.50X 1/10W
 R32 1-216-627-11 s METAL CHIP 47 0.50X 1/10W
 R33 1-216-639-11 s METAL CHIP 330 0.50X 1/10W
 R34 1-216-639-11 s METAL CHIP 330 0.50X 1/10W
 R39 1-216-653-11 s METAL CHIP 1.2k 0.50X 1/10W

R40 1-216-663-11 s METAL CHIP 3.3k 0.50X 1/10W
 R41 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W
 R42 1-216-651-11 s METAL CHIP 1k 0.50X 1/10W
 R43 1-216-659-11 s METAL CHIP 2.2k 0.50X 1/10W
 R44 1-216-636-11 s METAL CHIP 240 0.50X 1/10W

R45 1-216-643-11 s METAL CHIP 470 0.50X 1/10W
 R48 1-216-659-11 s METAL CHIP 2.2k 0.50X 1/10W
 R50 1-216-611-11 s METAL CHIP 22 0.50X 1/10W
 R51 1-216-611-11 s METAL CHIP 22 0.50X 1/10W
 R58 1-216-644-11 s METAL CHIP 510 0.50X 1/10W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No.	Parts No.	SP	Description	
R62	1-216-641-11	s	METAL CHIP 390	0.50X 1/10W
R72	1-216-641-11	s	METAL CHIP 390	0.50X 1/10W
R73	1-216-651-11	s	METAL CHIP 1k	0.50X 1/10W
R75	1-216-644-11	s	METAL CHIP 510	0.50X 1/10W
R79	1-216-639-11	s	METAL CHIP 330	0.50X 1/10W
R81	1-216-641-11	s	METAL CHIP 390	0.50X 1/10W
R85	1-216-639-11	s	METAL CHIP 330	0.50X 1/10W
R98	1-216-637-11	s	METAL CHIP 270	0.50X 1/10W
R101	1-216-657-11	s	METAL CHIP 1.8k	0.50X 1/10W
R102	1-216-643-11	s	METAL CHIP 470	0.50X 1/10W
R103	1-216-640-11	s	METAL CHIP 360	0.50X 1/10W
R104	1-216-611-11	s	METAL CHIP 22	0.50X 1/10W
R105	1-216-624-11	s	METAL CHIP 75	0.50X 1/10W
R106	1-216-619-11	s	METAL CHIP 47	0.50X 1/10W
R111	1-216-673-11	s	METAL CHIP 8.2k	0.50X 1/10W
R114	1-216-649-11	s	METAL CHIP 820	0.50X 1/10W
R115	1-216-645-11	s	METAL CHIP 560	0.50X 1/10W
R116	1-216-657-11	s	METAL CHIP 1.8k	0.50X 1/10W
R117	1-216-639-11	s	METAL CHIP 2.2k	0.50X 1/10W
R119	1-216-627-11	s	METAL CHIP 100	0.50X 1/10W
R120	1-216-611-11	s	METAL CHIP 22	0.50X 1/10W
R121	1-216-619-11	s	METAL CHIP 47	0.50X 1/10W
R122	1-216-611-11	s	METAL CHIP 22	0.50X 1/10W
R124	1-216-619-11	s	METAL CHIP 47	0.50X 1/10W
R125	1-216-623-11	s	METAL CHIP 68	0.50X 1/10W
R126	1-216-624-11	s	METAL CHIP 75	0.50X 1/10W
R128	1-216-651-11	s	METAL CHIP 1k	0.50X 1/10W
R130	1-216-647-11	s	METAL CHIP 680	0.50X 1/10W
R131	1-216-638-11	s	METAL CHIP 300	0.50X 1/10W
R140	1-216-627-11	s	METAL CHIP 100	0.50X 1/10W
R141	1-216-659-11	s	METAL CHIP 2.2k	0.50X 1/10W
R143	1-216-659-11	s	METAL CHIP 2.2k	0.50X 1/10W
R145	1-216-645-11	s	METAL CHIP 560	0.50X 1/10W
R146	1-216-651-11	s	METAL CHIP 1k	0.50X 1/10W
R147	1-216-651-11	s	METAL CHIP 1k	0.50X 1/10W
R148	1-216-636-11	s	METAL CHIP 240	0.50X 1/10W
R149	1-216-663-11	s	METAL CHIP 3.3k	0.50X 1/10W
R150	1-216-653-11	s	METAL CHIP 1.2k	0.50X 1/10W
R153	1-216-619-11	s	METAL CHIP 47	0.50X 1/10W
R154	1-216-619-11	s	METAL CHIP 47	0.50X 1/10W
R156	1-216-643-11	s	METAL CHIP 47	0.50X 1/10W
R200	1-216-675-11	s	METAL CHIP 10k	0.50X 1/10W
R201	1-216-651-11	s	METAL CHIP 1k	0.50X 1/10W
R202	1-216-651-11	s	METAL CHIP 1k	0.50X 1/10W
R203	1-216-651-11	s	METAL CHIP 1k	0.50X 1/10W
R204	1-216-651-11	s	METAL CHIP 10k	0.50X 1/10W
R205	1-216-675-11	s	METAL CHIP 10k	0.50X 1/10W
R502	1-216-659-11	s	METAL CHIP 2.2k	0.50X 1/10W
R505	1-216-627-11	s	METAL CHIP 100	0.50X 1/10W
R506	1-216-627-11	s	METAL CHIP 100	0.50X 1/10W
R508	1-216-624-11	s	METAL CHIP 75	0.50X 1/10W
R511	1-216-639-11	s	METAL CHIP 330	0.50X 1/10W
R512	1-216-645-11	s	METAL CHIP 560	0.50X 1/10W
R609	1-216-603-11	s	METAL CHIP 10	0.50X 1/10W
R612	1-216-032-00	s	CHIP 200	5X 1/10W
R626	1-216-603-11	s	METAL CHIP 10	0.50X 1/10W
R642	1-216-032-00	s	CHIP 200	5X 1/10W
R702	1-216-630-11	s	METAL CHIP 130	0.50X 1/10W
R703	1-216-644-11	s	METAL CHIP 510	0.50X 1/10W
R706	1-216-644-11	s	METAL CHIP 510	0.50X 1/10W

Ref.No.	Parts No.	SP	Description	
R710	1-216-675-11	s	METAL CHIP 10k	0.50X 1/10W
R711	1-216-675-11	s	METAL CHIP 10k	0.50X 1/10W
R712	1-216-667-11	s	METAL CHIP 4.7k	0.50X 1/10W
R713	1-216-675-11	s	METAL CHIP 10k	0.50X 1/10W
R714	1-216-675-11	s	METAL CHIP 10k	0.50X 1/10W
R715	1-216-667-11	s	METAL CHIP 4.7k	0.50X 1/10W
R718	1-216-664-11	s	METAL CHIP 3.6k	0.50X 1/10W
R719	1-216-663-11	s	METAL CHIP 3.3k	0.50X 1/10W
R720	1-216-664-11	s	METAL CHIP 3.6k	0.50X 1/10W
R727	1-216-659-11	s	METAL CHIP 2.2k	0.50X 1/10W
R728	1-216-663-11	s	METAL CHIP 3.3k	0.50X 1/10W
R730	1-216-644-11	s	METAL CHIP 510	0.50X 1/10W
R733	1-216-651-11	s	METAL CHIP 1k	0.50X 1/10W
R734	1-216-651-11	s	METAL CHIP 1k	0.50X 1/10W
R735	1-216-671-11	s	METAL CHIP 6.8k	0.50X 1/10W
R736	1-216-631-11	s	METAL CHIP 150	0.50X 1/10W
R741	1-216-658-11	s	METAL CHIP 2k	0.50X 1/10W
R742	1-216-651-11	s	METAL CHIP 1k	0.50X 1/10W
R743	1-216-619-11	s	METAL CHIP 47	0.50X 1/10W
R744	1-216-651-11	s	METAL CHIP 1k	0.50X 1/10W
R746	1-216-644-11	s	METAL CHIP 510	0.50X 1/10W
R749	1-216-639-11	s	METAL CHIP 330	0.50X 1/10W
R751	1-216-659-11	s	METAL CHIP 2.2k	0.50X 1/10W
RV1	1-237-515-21	s	VAR, CERMET	1k
RV2	1-237-503-21	s	VAR, CERMET	10k
RV4	1-237-518-21	s	VAR, CERMET	10k
RV5	1-237-514-21	s	VAR, CERMET	500
RV7	1-237-515-21	s	VAR, CERMET	1k
RV9	1-237-514-21	s	VAR, CERMET	500
RV10	1-237-515-21	s	VAR, CERMET	1k
RV11	1-237-515-21	s	VAR, CERMET	1k
RV13	1-237-515-21	s	VAR, CERMET	1k
RV14	1-237-501-21	s	VAR, CERMET	2k
RV15	1-237-517-21	s	VAR, CERMET	5k
RV16	1-237-512-21	s	VAR, CERMET	100
RV17	1-237-512-21	s	VAR, CERMET	100
RV19	1-237-512-21	s	VAR, CERMET	100
RV20	1-230-838-11	s	VAR, METAL FILM	200
RV21	1-230-838-11	s	VAR, METAL FILM	200
RV22	1-230-838-11	s	VAR, METAL FILM	200
RV23	1-237-515-21	s	VAR, CERMET	1k
RV501	1-237-518-21	s	VAR, CERMET	10k
RW601	1-237-515-21	s	VAR, CERMET	1k
RV700	1-237-514-21	s	VAR, CERMET	500
RV701	1-237-516-21	s	VAR, CERMET	2k
RV702	1-237-514-21	s	VAR, CERMET	500
RV703	1-237-514-21	s	VAR, CERMET	500
RV704	1-237-516-21	s	VAR, CERMET	2k
S1	1-570-857-11	s	DIP	
S2	1-571-259-11	s	DIP	
S3	1-571-259-11	s	DIP	
S4	1-571-259-11	s	DIP	
S5	1-571-259-11	s	DIP	

Parts that are not listed in the "Reference number order list" are shown in the "General Purpose Electrical Parts List".

VR-42/61/62, SWITCHING REGULATOR

Ref.No. Parts No. SP Description

VR-42 BOARD

1-622-592-12 o PRINTED CIRCUIT BOARD, VR-42

RV11 1-237-781-11 s VAR, CARBON 10k
RV12 1-237-781-11 s VAR, CARBON 10k

VR-61 BOARD

1-622-588-11 o PRINTED CIRCUIT BOARD, VR-61

RV1 1-237-719-00 s VAR, CARBON 100k
RV2 1-237-782-11 s VAR, CARBON 10k

VR-62 BOARD

1-622-589-13 o PRINTED CIRCUIT BOARD, VR-62

RV541 1-230-501-11 s VAR, CARBON 20k/20k

SWITCHING REGULATOR UR-21B

A 1-413-307-24 s SWITCHING REGULATOR UR-21B

M201 1-541-524-11 s DC FAN

UR-21B C1 BOARD

C51 1-161-925-91 s CERAMIC 100pF 10X 500V
C52 1-161-925-91 s CERAMIC 100pF 10X 500V
C53 1-131-458-51 s TANTAL 1.5 20X 16V
C55 1-130-018-51 s FILM 0.001 5X 50V
C56 1-130-528-51 s TEREPHTHALATE 0.1 10X 50V
C57 1-130-506-91 s TEREPHTHALATE 0.0015 10X 50V
C59 1-130-528-51 s TEREPHTHALATE 0.1 10X 50V
C61 1-124-924-91 s ELECT 1 20X 100V

CN52 1-564-352-11 o PIN 7P
CN53 1-564-352-11 o PIN 7P

Ref.No. Parts No. SP Description

D51 1-807-913-21 s 11EQ804
D52 1-807-913-21 s 11EQ804
D53 1-807-913-21 s 11EQ804
D54 1-807-913-21 s 11EQ804
D55 8-719-911-19 s 1SS119

D56 8-719-911-19 s 1SS119
D57 8-719-109-93 s RD6.2ES-B3
D58 8-719-107-87 s 03P2M
D59 8-719-911-19 s 1SS119
D60 8-719-911-19 s 1SS119

D61 8-719-911-19 s 1SS119
D62 8-719-911-19 s 1SS119
D63 8-719-109-75 s RD4.3ES-B2

IC51 8-759-937-59 s MB3759 (FUJITSU)
IC52 8-759-103-93 s uPC393C (NEC)

L51 1-410-466-21 s MICRO 4.7

Q51 8-729-208-04 s 2SK422
Q52 8-729-208-04 s 2SK422
Q53 8-729-117-54 s 2SA1175
Q54 8-729-178-54 s 2SC2785*(28)
Q55 8-729-117-54 s 2SA1175

R56 1-247-903-00 s CARBON 1M 5X 1/4W

RV51 1-228-990-11 s VAR, METAL GLAZE 1k

UR-21B C2 BOARD

C51 1-161-925-91 s CERAMIC 100pF 10X 500V
C52 1-161-925-91 s CERAMIC 100pF 10X 500V
C53 1-131-458-51 s TANTAL 1.5 20X 16V
C56 1-130-528-51 s TEREPHTHALATE 0.1 10X 50V
C57 1-130-506-91 s TEREPHTHALATE 0.0015 10X 50V
C59 1-130-528-51 s TEREPHTHALATE 0.1 10X 50V

CN52 1-564-352-11 o PIN 7P
CN53 1-564-352-11 o PIN 7P

D51 1-807-913-21 s 11EQ804
D52 1-807-913-21 s 11EQ804
D53 1-807-913-21 s 11EQ804
D54 1-807-913-21 s 11EQ804
D55 1-719-911-19 s 1SS119

D56 1-719-911-19 s 1SS119
D57 8-719-110-41 s RD15ES-B2
D58 8-719-107-87 s 03P2M
D59 8-719-911-19 s 1SS119
D60 8-719-911-19 s 1SS119

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

SWITCHING REGULATOR

Ref.No. Parts No. SP Description

D61 8-719-911-19 s 1SS119
D62 8-719-911-19 s 1SS119
D63 8-719-110-22 s RD11ES-B2

IC51 8-759-937-59 s MB3759 (FUJITSU)
IC52 8-759-103-93 s uPC393C (NEC)

L51 1-410-466-21 s MICRO 4.7

Q51 8-729-208-04 s 2SK422
Q52 8-729-208-04 s 2SK422
Q53 8-729-117-54 s 2SA1175
Q54 8-729-178-54 s 2SC2785*(28)
Q55 8-729-117-54 s 2SA1175

R56 1-247-903-00 s CARBON 1M 5% 1/4W

RV51 1-228-990-11 s VAR, METAL GLAZE 1k

UR-218 MI BOARD

C101 1-136-564-11 s CERAMIC 1000pF 10% 500V
C102 1-136-564-11 s CERAMIC 1000pF 10% 500V
C104 1-125-477-11 s ELECT 470 20% 400V
C105 1-125-477-11 s ELECT 470 20% 400V
C106 1-161-915-11 s CERAMIC 1000pF 10% 500V
C107 1-161-915-11 s CERAMIC 1000pF 10% 500V
C203 1-161-915-11 s CERAMIC 1000pF 10% 500V
C204 1-161-915-11 s CERAMIC 1000pF 10% 500V
C205 1-124-636-51 s ELECT 3300 20% 25V
C206 1-130-516-91 s TEREPHTHALATE 0.01 10% 50V
C209 1-124-891-51 s ELECT 10000 20% 6.3V
C211 1-130-772-21 s FILM 0.22 10% 63V
C212 1-124-621-51 s ELECT 3300 20% 6.3V
C213 1-130-772-21 s FILM 0.22 10% 63V
C214 1-124-585-51 s ELECT 3300 20% 10V
C221 1-130-518-91 s TEREPHTHALATE 0.015 10% 50V
C222 1-130-524-51 s TEREPHTHALATE 0.047 10% 50V
C223 1-130-524-51 s TEREPHTHALATE 0.047 10% 50V
C228 1-130-772-21 s FILM 0.22 10% 63V
C229 1-130-772-21 s FILM 0.22 10% 63V
C230 1-130-772-21 s FILM 0.22 10% 63V

AN101 1-564-242-11 o 5P

CR201 1-564-932-11 o 9P
CR202 1-560-893-11 o 5P
CR203 1-560-299-11 o 2P
CR204 1-560-890-21 o 2P

Ref.No. Parts No. SP Description

D101 8-719-109-75 s RD4.3ES-B2
D102 8-719-912-20 s 1SS120
D103 1-807-913-21 s 11EQ804
D104 1-807-913-21 s 11EQ804
D201 1-807-774-21 s AD02A

D202 8-719-109-85 s RD5.1ES-B2
D203 8-719-109-85 s RD5.1ES-B2
D204 8-719-911-19 s 1SS119
D205 8-719-200-02 s 10E2
D206 8-719-200-02 s 10E2

D207 1-807-911-11 s F10P40F
D208 8-719-200-02 s 10E2
D209 8-719-200-02 s 10E2
D210 8-719-302-60 s FML-32S
D211 1-807-963-21 s 31DF2

D212 1-807-963-21 s 31DF2
D213 8-719-110-13 s RD9.1ES-B2
D214 1-807-911-21 s F10P40FR
D215 8-719-912-20 s 1SS120
D216 8-719-912-20 s 1SS120

D220 8-719-200-02 s 10E2
D222 8-719-200-02 s 10E2

FB201 1-543-060-11 s FERRITE BEAD
FB202 1-543-060-11 s FERRITE BEAD
FB203 1-543-060-11 s FERRITE BEAD
FB204 1-543-060-11 s FERRITE BEAD
FB205 1-543-060-11 s FERRITE BEAD

FB206 1-543-060-11 s FERRITE BEAD

IC101 1-807-814-11 s B-5272 (JRM)
IC201 8-759-135-80 s uPC358C (NEC)
IC202 8-759-077-33 s TL431CLP (TI)
IC203 8-759-077-33 s TL431CLP (TI)

L201 A-4935-038-A s CHOKE
L202 1-421-459-21 s CHOKE
L203 A-4935-037-A s CHOKE
L204 1-421-459-21 s CHOKE
L205 1-421-734-11 s CHOKE

L206 1-421-459-21 s CHOKE
L207 1-421-459-21 s CHOKE

PS101 1-532-605-11 s IC LINK
PS102 1-532-605-11 s IC LINK
PS201 1-532-605-11 s IC LINK

Q101 1-807-858-11 s IREP451
Q102 1-807-858-11 s IREP451
Q103 8-729-113-32 s 28B733
Q104 8-729-113-32 s 28B733
Q201 8-729-103-43 s 28B734*(28)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

SWITCHING REGULATOR

Ref.No. Parts No. SP Description

Q202 8-729-178-54 s 2SC2785*(28)
Q203 8-729-178-54 s 2SC2785*(28)
Q204 8-729-178-54 s 2SC2785*(28)
Q205 1-807-914-11 s 2SA1443-L
Q206 8-729-177-43 s 2SD774
Q207 1-807-914-11 s 2SA1443-L
Q208 8-729-117-54 s 2SA1175
Q209 1-807-915-11 s 2SC3692-L
Q210 8-729-178-54 s 2SC2785*(28)

R102 1-246-473-75 s CARBON 1k 5% 1/4W

A R103 1-247-692-51 s CARBON 22 5% 1/4W
R104 1-247-692-51 s CARBON 22 5% 1/4W
R107 1-205-622-11 s CEMENT 33 5% 5W

R203 1-246-445-75 s CARBON 68 5% 1/4W

A R210 1-205-623-11 s CEMENT 47 5% 5W
R212 1-206-648-61 s METAL 220 5% 2W

R215 1-247-887-91 s CARBON 220k 5% 1/4W

A R220 1-213-137-61 s METAL 330 5% 1W

R221 1-246-441-75 s CARBON 47 5% 1/4W

A R225 1-213-135-61 s METAL 220 5% 1W

R229 1-214-669-71 s METAL 3.3 1% 1/4W

A R230 1-206-652-61 s METAL 330 5% 2W
R231 1-206-652-61 s METAL 330 5% 2W

RV201 1-230-667-11 s VAR, CERMET 500

ST201 1-571-055-91 s THERMAL SENSOR

A T101 1-448-393-11 s CONVERTER
T102 A-4935-035-A s CONVERTER
T103 1-421-819-11 s CURRENT
T104 1-437-188-11 s DRIVE
T105 1-437-188-11 s DRIVE
T106 1-447-938-11 s CONVERTER

UR-21B M2 BOARD

A C151 1-136-185-12 s FILM 0.22 20% 250V
C152 1-136-185-12 s FILM 0.22 20% 250V
C154 1-136-185-12 s FILM 0.22 20% 250V
C155 1-161-742-12 s CERAMIC 2200pF 20% 400V
C156 1-161-742-12 s CERAMIC 2200pF 20% 400V

Ref.No. Parts No. SP Description

A C157 1-161-742-12 s CERAMIC 2200pF 20% 400V
C158 1-161-742-12 s CERAMIC 2200pF 20% 400V
C159 1-161-742-12 s CERAMIC 2200pF 20% 400V

C161 1-136-564-11 s FILM 1.8 10% 250V
C162 1-136-564-11 s FILM 1.8 10% 250V

C163 1-161-915-11 s CERAMIC 1000pF 10% 500V
C164 1-161-915-11 s CERAMIC 1000pF 10% 500V

A C165 1-161-742-12 s CERAMIC 2200pF 20% 400V
C166 1-161-742-12 s CERAMIC 2200pF 20% 400V
C167 1-161-742-12 s CERAMIC 2200pF 20% 400V

C251 1-161-915-11 s CERAMIC 1000pF 10% 500V
C252 1-161-915-11 s CERAMIC 1000pF 10% 500V
C253 1-124-556-51 s ELECT 2200 20% 16V
C254 1-124-555-51 s ELECT 1000 20% 16V
C255 1-124-923-91 s ELECT 0.47 20% 100V

C256 1-124-898-51 s ELECT 4700 20% 16V
C257 1-124-898-51 s ELECT 4700 20% 16V
C258 1-124-898-51 s ELECT 4700 20% 16V
C260 1-124-563-51 s ELECT 2200 20% 25V
C263 1-130-518-91 s TEREPHTHALATE 0.015 10% 50V

C264 1-130-524-91 s TEREPHTHALATE 0.047 10% 50V
C265 1-130-524-91 s TEREPHTHALATE 0.047 10% 50V
C268 1-130-772-21 s FILM 0.22 10% 63V
C269 1-130-772-21 s FILM 0.22 10% 63V
C270 1-130-772-21 s FILM 0.22 10% 63V

A CN151 1-564-215-11 o PIN 4P

CN251 1-566-313-11 o PIN 7P
CN252 1-560-893-11 o PIN 5P
CN253 1-560-890-21 o PIN 2P

A D151 1-807-907-11 s KB088JLM

D153 1-807-913-21 s 11EQS04
D154 1-807-913-21 s 11EQS04
D251 1-807-909-11 s F10P20F
D252 1-807-921-11 s FMG-34S

D253 1-807-911-21 s F10P40FR
D254 8-719-109-97 s RD6-8ES-B2
D255 8-719-912-20 s 1S1120
D256 8-719-912-20 s 1S1120
D257 8-719-200-02 s 10Z2

D258 8-719-911-19 s 1S1119
D260 8-719-912-20 s 1S1120

A F151 1-532-604-21 s 250V 3A

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref.No. Parts No. SP Description

FB251 1-543-060-11 s FERRITE BEAD
 FB252 1-543-060-11 s FERRITE BEAD
 FB253 1-543-060-11 s FERRITE BEAD
 FB254 1-543-060-11 s FERRITE BEAD
 FB255 1-543-060-11 s FERRITE BEAD

FB256 1-543-060-11 s FERRITE BEAD

IC251 8-759-007-33 s TL431CLP (TI)

Δ L151 1-421-590-11 s LINE FILTER
 L152 1-421-978-11 s LINE FILTER

L251 A-4935-039-A s CHOKE
 L252 1-421-459-21 s CHOKE
 L253 1-421-734-11 s CHOKE

L254 1-408-322-11 s CHOKE
 L255 1-421-459-21 s CHOKE
 L512 1-421-978-11 s LINE FILTER

Q151 1-807-858-11 s IREP451
 Q152 1-807-858-11 s IREP451
 Q153 8-729-113-32 s 2SB733
 Q154 8-729-113-32 s 2SB733
 Q251 8-729-178-54 s 2SC2785*(28)
 Q252 1-807-915-11 s 2SC3692-L
 Q253 8-729-178-54 s 2SC2785*(28)

R151 1-202-727-11 s SOLID 4.7M 10% 1/2W

Δ R152 1-205-915-11 s WIREWOUND 4.7 10% 7W
 R153 1-205-915-11 s WIREWOUND 4.7 10% 7W
 R154 1-247-692-51 s CARBON 22 5% 1/4W
 R155 1-247-692-51 s CARBON 22 5% 1/4W

Δ R158 1-205-652-11 s CEMENT 68 5% 5W
 R251 1-205-622-11 s CEMENT 33 5% 5W
 R254 1-213-135-61 s METAL 220 5% 1W

R258 1-214-669-71 s METAL 3.3 1% 1/4W

Δ R259 1-206-652-61 s METAL 330 5% 2W

Δ R260 1-206-652-61 s METAL 330 5% 2W

RV251 1-230-668-11 s VAR, CERMET 1k

Δ RY151 1-515-662-11 s POWER

Ref.No. Parts No. SP Description

ST251 1-571-055-71 s THERMAL SENSOR

Δ T151 A-4935-036-A s CONVERTER
 T152 1-421-819-11 s CURRENT
 T153 1-437-188-11 s DRIVE
 T154 1-437-188-11 s DRIVE

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

FRAME

Ref.No. Parts No. SP Description

FRAME

A-6050-524-A s HEAD DRUM ASS'Y, DWH-02A-R
A-6730-924-A o INDICATION TUBE ASS'Y
A-6734-236-A o KEY CHASSIS ASS'Y
A-6762-233-A s DRUM ASS'Y, UPPER, DBR-02-R

A 1-413-307-24 s SWITCHING REGULATOR, UR-21B
1-464-821-11 s DC-DC CONVERTER (INDICATION TUBE)
1-520-496-11 s AUDIO LEVEL METER (INDICATION TUBE)
1-559-261-11 o FLAT CABLE (KEY CHASSIS)
1-559-265-11 o FLAT CABLE (CASSETTE UP COMPARTMENT)

A CB001 1-532-545-51 s BREAKER, CIRCUIT 6.3A

A CN001 1-509-547-00 s 3P INLET

CN002 1-509-184-51 s RECEPTACLE, XLR, FEMALE
"CH-1 IN"
CN003 1-509-184-51 s RECEPTACLE, XLR, FEMALE
CN004 1-509-184-51 s RECEPTACLE, XLR, FEMALE
"CH-3 IN"
CN005 1-509-184-51 s RECEPTACLE, XLR, FEMALE
"CH-4 IN"

CN006 1-509-184-51 s RECEPTACLE, XLR, FEMALE
"TIME CODE IN"
CN007 1-509-176-51 s RECEPTACLE, XLR, MALE
"TIME CODE OUT"
CN008 1-509-176-51 s RECEPTACLE, XLR, MALE
"CH-1 OUT"
CN009 1-509-176-51 s RECEPTACLE, XLR, MALE
"CH-2 OUT"
CN010 1-509-176-51 s RECEPTACLE, XLR, MALE
"CH-3 OUT"

CN011 1-509-176-51 s RECEPTACLE, XLR, MALE
"CH-4 OUT"
CN012 1-509-176-51 s RECEPTACLE, XLR, MALE
"SELECTED CH-1/CH-3 OUT"
CN013 1-509-176-51 s RECEPTACLE, XLR, MALE
"SELECTED CH-2/CH-4 OUT"
CN014 1-509-095-00 s RECEPTACLE, 8P "MONITOR OUT"
CN015 1-561-781-21 s RECEPTACLE, BNC "VIDEO-1 OUT"

CN016 1-561-781-21 s RECEPTACLE, BNC "VIDEO-2 OUT"
CN017 1-561-781-21 s RECEPTACLE, BNC "VIDEO-3 OUT"
CN018 1-561-781-21 s RECEPTACLE, BNC "REF. VIDEO OUT"
CN019 1-562-160-00 s RECEPTACLE, 12P, FEMALE
"DUB/COMPONENT 1 OUT"

CN021 1-561-781-21 s RECEPTACLE, BNC "REF. VIDEO IN"

CN022 1-561-781-21 s RECEPTACLE, BNC "REF. VIDEO IN
(THROUGH OUT)"

CN023 1-561-781-21 s RECEPTACLE, BNC "VIDEO IN"
CN024 1-561-781-21 s RECEPTACLE, BNC "VIDEO IN
(THROUGH OUT)"

CN025 1-564-407-11 s RECEPTACLE, 12P, MALE
"DUB/COMPONENT 1 IN"

CN026 1-561-781-21 s RECEPTACLE, BNC "COMPONENT 2 Y IN"

Ref.No. Parts No. SP Description

CN027 1-561-781-21 s RECEPTACLE, BNC "COMPONENT 2 R-Y IN"
CN028 1-561-781-21 s RECEPTACLE, BNC "COMPONENT 2 B-Y IN"
CN029 1-561-781-21 s RECEPTACLE, BNC "COMPONENT 2 Y OUT"
CN030 1-561-781-21 s RECEPTACLE, BNC "COMPONENT 2 R-Y OUT"
CN031 1-561-781-21 s RECEPTACLE, BNC "COMPONENT 2 B-Y OUT"

CN430 1-562-285-11 o PLUG HOUSING (TO SW'ING REG)
CN431 1-562-833-11 o PLUG HOUSING (TO SW'ING REG)
CN432 1-562-800-11 o PLUG HOUSING (TO SW'ING REG)

H001 8-825-770-72 s HEAD, ERASE EF291-21 "FE"
H002 8-825-554-73 s HEAD, CTL PS244-21 "CTL"
H003 8-825-623-21 s HEAD, AT EF244-2103B
"AUDIO/TIME CODE"
H004 8-825-771-11 s HEAD PS244-2103C "CONF"

L8 1-543-316-21 s SENSOR "TAPE BEGINNING SENSOR"
L9 1-543-316-21 s SENSOR "TAPE END SENSOR"

M001 1-541-524-11 s MOTOR, DC "FAN"
M002 8-835-179-01 s MOTOR, DC MCB2B15 "THREADING"
M003 8-835-179-01 s MOTOR, "L/S POSITION"
M004 8-835-259-01 s MOTOR, DC BHF-1918A "CAPSTAN"
M006 A-6737-175-B s MOTOR ASS'Y "S-REEL"
M007 A-6737-175-B s MOTOR ASS'Y "T-REEL"
M008 1-541-376-11 s MOTOR, DC DNR-4700A "UP/DOWN"

ME002 1-520-494-11 s "VIDEO/REF"

PM001 1-454-372-11 s SOLENOID "CLEANER"
PM002 1-454-338-00 s SOLENOID "PINCH"
PM003 1-454-417-31 s SOLENOID "S-BRAKE"
PM004 1-454-417-31 s SOLENOID "T-BRAKE"

A S001 1-570-117-31 s ROCKER "POWER"

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

19-4. PACKING MATERIAL AND ACCESSORIES (SUPPLIED)

Parts No.	SP	Description
A-6729-474-A	s	MOUNTED PCB, EX-116
A-6729-475-A	s	MOUNTED PCB, EX-134
A-6729-476-A	s	MOUNTED PCB, EX-151
1-555-873-13	s	CABLE, REMOTE CONTROL 9P

A	1-556-760-11	s	CORD, POWER (3 CORE)
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1-557-413-11	s	CABLE, DUBBING 12P
1-560-995-00	s	CONNECTOR, (P-M) 12P
1-562-159-00	s	CONNECTOR, (P-F)
2-237-802-01	o	CUSHION
3-701-616-00	s	BAG, POLY
3-701-630-00	s	BAG, POLY
3-701-632-00	s	BAG, POLY
3-701-649-00	s	BAG, POLY
3-721-869-01	o	CUSHION, UPPER
3-721-888-01	o	SPACER, SIDE
3-721-889-01	o	SLEEVE, A
3-721-890-01	o	SLEEVE, B
3-721-891-01	o	SPACER, A
3-721-892-01	o	SPACER, B
3-721-868-02	o	INDIVIDUAL CARTON

19-5. FIXTURE (OPTION)

Parts No.	SP	Description
J-6001-820-A	s	DRUM ECCENTRICITY GAUGE (3)
J-6001-830-A	s	DRUM ECCENTRICITY GAUGE (2)
J-6001-840-A	s	DRUM ECCENTRICITY GAUGE (1)
J-6031-820-A	s	MULTI CONNECTOR CABLE (DISNC)
J-6080-011-A	s	REEL TABLE TENSION GAUGE
J-6086-570-A	s	FLATNESS PLATE
J-6087-000-A	s	DRUM ECCENTRICITY GAUGE (5)
J-6152-450-A	s	WIRE CLEARANCE GAUGE
J-6190-800-A	s	TENSION REGULATOR SLANTNESS CHECK GAUGE
J-6320-680-A	s	REEL TABLE HEIGHT GAUGE
J-6320-870-A	s	REEL MOTOR SHAFT SLANTNESS CHECK GAUGE
J-6320-880-A	s	CASSETTE REFERENCE PLATE
Y-2031-001-0	s	CLEANING FLUID
2-034-697-00	s	CLEANING PIECE
7-723-902-00	s	INSPECTION MIRROR
7-732-050-20	s	TENSION SCALE (50G FULL SCALE)
7-732-050-30	s	TENSION SCALE (100G FULL SCALE)
8-960-096-51	s	ALIGNMENT TAPE, CR2-1B PS
8-960-096-91	s	ALIGNMENT TAPE, CR5-1B PS
8-960-098-37	s	ALIGNMENT TAPE, CR5-1A PS
8-960-096-86	s	ALIGNMENT TAPE, CR8-1B PS
9-911-053-00	s	THICKNESS GAUGE
Standard products		HEAD DEMAGNETIZER (HE-4)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

